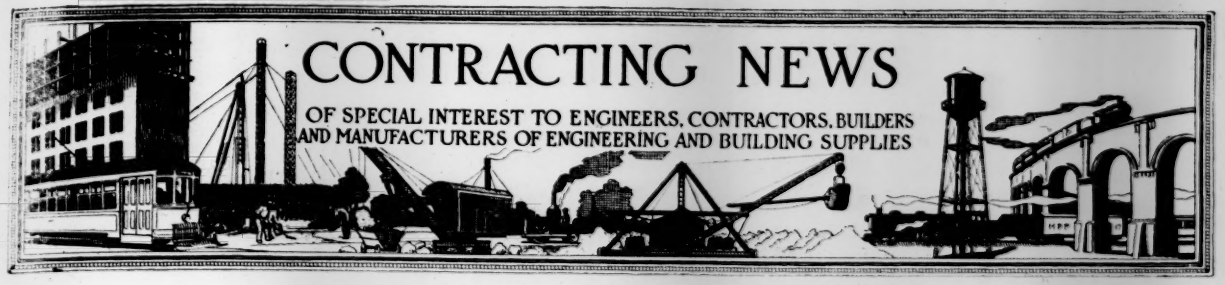
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Price advances are indicated by **heavy type**; declines by *italics*.

PIG IRON

Below are the present quotations with a comparison of a month and a year ago.

	Nov. 1, 1917	One Month Ago	One Year Ago
CINCINNATI			
No. 2 Southern foundry	$33.00	....	$18.90
No. 2 Northern foundry	33.00	....	21.76
NEW YORK			
No. 2X Northern foundry	34.25	....	21.50 to 22.50
No. 2 plain Northern foundry	33.75	....	21.00 to 21.50
No. 2 Southern foundry†	37.25	....	21.50 to 22.00
BIRMINGHAM			
No. 2 Southern foundry	33.00	....	16.00
CHICAGO			
No. 2 Northern foundry	33.00	....	22.00 to 22.50
No. 2 Southern foundry	37.00	....	....
PITTSBURGH			
Bessemer iron*	36.30	$36.30	24.95
Basic iron*	33.00	33.00	20.95

*These prices include the freight charge from the valley to the Pittsburgh district. †Delivered Tidewater, New York.

RAILWAY SUPPLIES

STEEL RAILS—The following quotations are per 100 lb. f.o.b. Pittsburgh and Chicago for carload or larger lots. For less than carload lots 5c. per 100 lb. is charged extra:

	Pittsburgh		Chicago	
	Nov. 1, 1917	One Year Ago	Nov. 1, 1917	One Year Ago
Standard bessemer rails	$38.00	$33.00	$38.00	$33.00
Standard openhearth rails	40.00	35.00	40.00	35.00
Light rails, 8 to 10 lb.	83.00	50.00	*83.00*	43.00
Light rails, 12 to 14 lb.	82.00	49.00	*82.00*	42.00
Light rails, 25 to 45 lb.	75.00	47.00	*75.00*	40.00

TRACK SUPPLIES—The following prices are base per 100 lb. f.o.b. Pittsburgh for carload lots, together with the warehouse prices at the places named:

	Pittsburgh				San
	Nov. 1, 1917	One Year Ago	Chicago	St. Louis	Francisco
Standard railroad spikes, ⅝-in. and larger	*$5.00* to 7.00	$2.65	$5.00	$6.45	$7.25*
Track bolts	7.00 to 8.00	3.25	6.25	Premium	8.80*
Standard section angle bars	*3.50*	2.00	4.50	Premium	4.65*

*Per 100 lb.

RAILWAY TIES—For fair-sized orders, the following prices per tie hold:

	Material	7 In. x 9 in. by 8 Ft. 6 In.	6 In. x 8 in. by 8 Ft.
New York	Yellow Pine	$1.30	$1.06 to 1.11
St. Louis	Plain No. 1 White Oak	1.00	.75
Chicago	White Oak	.97	.82
Chicago	Plain Creosoted	1.30	1.15
San Francisco	Green	**1.08**	**.77**
San Francisco	Creosoted	**1.97**	**1.49**

PIPE

PIPE—The following discounts are for carload lots f.o.b. Pittsburgh, basing card in effect July 2, 1917, for iron and May 1 for steel:

Steel			Iron		
	BUTT WELD				
Inches	Black	Galvanized	Inches	Black	Galvanized
¼ to 3	49%	35½%	¾ to 1½	33%	17%
	LAP WELD				
2	42%	29½%	2	26%	12%
2½ to 6	45%	32½%	2½ to 4	28%	15%
7 to 12	42%	28½%	4½ to 6	28%	15%
13 and 14	32½%	....	7 to 12	25%	12%
15	30%	....			
	BUTT WELD, EXTRA STRONG PLAIN ENDS				
¾ to 1½	47%	34½%	¾ to 1½	33%	18%
2 to 3	48%	35½%			
	LAP WELD, EXTRA STRONG PLAIN ENDS				
2	40%	28½%	2	27%	14%
2¼ to 4	43%	31½%	2½ to 4	29%	17%
4½ to 6	42%	30½%	4½ to 6	28%	16%
7 to 8	38%	24½%	7 to 8	20%	8%
9 to 12	33%	19½%	9 to 12	15%	3%

From warehouses at the places named the following discounts hold for steel pipe:

	Black		
	New York	Chicago	St. Louis
¾ to 3 in. butt welded	38%	42%	34.27%
3½ to 6 in. lap welded	18%	38%	21.27%
7 to 12 in. lap welded	10%	35%	21.27%
	Galvanized		
	New York	Chicago	St. Louis
¾ to 3 in. butt welded	22%	27%	19.27%
3½ to 6 in. lap welded	List	18%	13.27%
7 to 12 in. lap welded	List+20%	20%	6.27%

Malleable fittings, Class B and C, from New York stock sell at 5 and 5% from list prices. Cast iron, standard sizes, 34 and 5%.

CAST-IRON PIPE—The following are prices per net ton for carload lots:

	New York						
	Nov. 1, 1917	1 Month Ago	One Year Ago	Chicago	St. Louis	San Francisco	Dallas
4 in.	*$59.50*	$68.50	$34.50	*$53.50*	*$52.00*	*$61.00*	*$57.00*
6 in. and over	*56.50*	65.50	31.50	*50.50*	*49.00*	*58.00*	*54.00*

Gas pipe and 16-ft. lengths are $1 per ton extra.

CLAY DRAIN TILE—The following prices are per 1000 lin.ft.:

	New York					
Size, In.	Nov. 1, 1917	One Year Ago	St. Louis	Chicago	San Francisco	Dallas
3	$35.00	$23.00	$18.40	$15.00	$26.25	$21.55
4	31.00	32.45	20.70	18.00	34.75	30.60
5	65.00	45.00	28.75	23.00	48.75	....
6	90.00	56.55	40.25	27.00	67.50	50.02
8	130.00	98.50	74.75	55.00	....	90.09

SEWER PIPE—The following prices are in cents per foot for carload lots:

	New York					
Size, In.	Nov. 1, 1917	One Year Ago	St. Louis	Chicago	San Francisco	Dallas
3	$0.093	$0.0725	....	$0.09	$0.75	$0.1032
4	.093	.0725	....	.10	.10	.1032
5	.1395	.12	....	.135	.12	.1548
6	.1395	.12	$0.12	.15	.15	.1548
8	.217	.165	.165	.21	.225	.215
10	.3255	.24	.23	.315	.30	.301
12	.4185	.30	.33	.405	....	.387
15	.558	.405	.50	.54	.40	.559
18	.775	.57	.75	.75	.75	.731
20	.93	.675	.90	.90	.96	.86
22	1.24	.90	1.13	1.20	....	1.118
24	1.395	.975	1.28	1.35	1.375	1.29
27	2.08	1.665	1.30	....	....	1.935
30	2.304	2.025	1.70	....	....	2.365
33	3.08	2.625	2.25	....	....	3.05
36	3.485	2.94	2.50	....	....	3.44

	Boston	St Paul	Kansas City	Denver	Los Angeles	Seattle
3	$0.099	$0.084	$0.10	$0.09	$0.06	$0.075
5	.1485	.126	.135	.18	.10	.225
8	.231	.175	.18	.25	.18	.4125
12	.4455	.315	.36	.40	.32	1.75
24	1.485	1.35	1.35	1.35	1.125	....
36	3.09	2.83	3.25	3.00	....	....

ROAD AND PAVING MATERIALS

ROAD OILS—Following are prices in tank cars 8000 gal. minimum f.o.b. places named:

	Nov. 1, 1917 Gallon	One Month Ago Gallon
St. Louis, 40-50%	**6½c.**	6c.
Chicago, 15-20% asphalt	6½c.	6½c.
Chicago, dust layer	8½c.	8½c.
Chicago, binder	12½c.	12½c.
Dallas, 40-50%	7c.	7c.
Dallas, 60-70%	8c.	8c.
Dallas, 75-90%	9c.	9c.
San Francisco, 75-95% asphalt	**$1.92 bbl. (42 gal.)**	**$1.90 bbl.**

ASPHALTUM—Price per ton in packages and bulk in carload lots:

	Brand	Package	Bulk
New York	Texaco	$30.00	....
New York	Mexican	28.00	$20.00
Chicago	Mexican	**25.00**	21.00
St. Louis	Texaco or Mexican	22.50	19.50
St. Louis	Stanolind	21.00	17.00
San Francisco	California	16.50	13.50
Dallas	Texaco and Mexican	....	25.00
Seattle	....	18.00	....
Denver	Trinidad	31.00	....
Kansas City	Trinidad	26.37	....
St. Paul	Trinidad	25.40	....

PAVING STONE—

		Nov. 1, 1917
New York	Manhattan	$2.50 sq.yd.
	Other boroughs	2.25 sq.yd.
New York	5-in. granite	2.55 sq.yd.
Chicago	About 4x8x4 dressed	2.25 sq.yd.
	About 4x8x4 common	1.80 sq.yd.
St. Paul	Sandstone	1.65 sq.ft.
San Francisco	Basalt block 4x7x8	57.75 per M
Kansas City	Limestone	**2.15** sq.yd.
Boston	5-in. granite	2.55 sq.yd.

Proposals

For Proposals Advertised See Pages 82 to 84 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
Nov. 5.	Moberly, Mo.	Nov. 1
Nov. 7.	Tonawanda, N. Y.	Oct. 18
Nov. 8.	Pender, Neb.	Nov. 1
Nov. 10.	Winnipeg, Man. Adv. Nov. 1.	Nov. 1
Nov. 15.	Chapleau, Ont.	Nov. 1

SEWERS

Bids Close		See Eng. News-Record
Nov. 3.	Altamont, N. Y. Adv. Oct. 25.	Oct. 25
Nov. 5.	Cheyenne, Wyo.	Oct. 25
Nov. 5.	St. Paul, Minn.	Nov. 1
Nov. 6.	Eagle Lake, Tex.	Nov. 1
Nov. 6.	Kansas City, Mo.	Nov. 1
Nov. 7.	Canton, O.	Nov. 1
Nov. 8.	Jersey City, N. J.	Nov. 1
Nov. 9.	Brooklyn, N. Y.	Nov. 1
Nov. 12.	Pleasantville, N. J. Adv. Nov. 1.	Nov. 1
Nov. 14.	Niles, O.	Nov. 1
Nov. 19.	Brainerd, Minn.	Nov. 1
Nov. 26.	Oil City, Pa.	Nov. 1

BRIDGES

Bids Close		See Eng. News-Record
Nov. 5.	Utica, Ill.	Nov. 1
Nov. 6.	Watonga, Okla.	Nov. 1
Nov. 6.	Oswego, Kan. Adv. Oct. 18 and 25.	Oct. 18
Nov. 6.	Dallas, Tex. Adv. Oct. 11 and 18.	Oct. 11
Nov. 6.	Little Falls, Minn.	Oct. 18
Nov. 8.	Stillwater, Okla.	Nov. 1
Nov. 12.	Minneapolis, Minn.	Oct. 25
Nov. 17.	Charleston, S. C.	Nov. 1

STREETS AND ROADS

Bids Close		See Eng. News-Record
Nov. 2.	Brooklyn, N. Y.	Nov. 1
Nov. 5.	California	Oct. 25
Nov. 5.	Bloomfield, N. J.	Oct. 25
Nov. 5.	Pikeville, Ky.	Sept. 27
Nov. 5.	Kansas City, Kan.	Oct. 18
Nov. 5.	Coffeyville, Kan.	Oct. 18
Nov. 19.	Seattle, Wash.	Nov. 1
Nov. 19.	Brewton, Ala.	Nov. 1
Nov. 20.	Holdredge, Neb.	Nov. 1
Nov. 22.	Hindman, Ky.	Oct. 25
Nov. 23.	Kendallville, Ind.	Oct. 25

EXCAVATION AND DREDGING

Bids Close		See Eng. News-Record
Nov. 2.	Armour, S. D.	Nov. 1
Nov. 7.	Lincoln, Neb.	Oct. 25
Nov. 7.	Mason City, Ia.	Nov. 1
Nov. 8.	Harrisonville, Mo.	Oct. 25
Nov. 8.	Ft. Dodge, Ia.	Nov. 1
Nov. 9.	St. Cloud, Minn.	Sept. 27
Nov. 12.	Havana, Ill.	Nov. 1
Nov. 13.	Granite Falls, Minn.	Nov. 1
Nov. 15.	Garden Prairie, Ill.	Nov. 1
Nov. 16.	Madison, Wis.	Nov. 1

BUILDINGS

Bids Close		See Eng. News-Record
Nov. 7.	Bellefontaine, O.	Nov. 1
Nov. 12.	Eldorado, Tex.	Nov. 1
Nov. 12.	Cleveland, O.	Nov. 1
Nov. 12.	Tallahassee, Fla.	Nov. 1
Nov. 13.	Palo Alta, Cal.	Nov. 1
Nov. 15.	Northampton, Mass.	Oct. 25
Nov. 25.	Middletown, Mass.	Oct. 4
Dec. 1.	Norfolk, Va.	S 13

MISCELLANEOUS

Bids Close		See Eng. News-Record
Nov. 5.	Incinerator — Okmulgee, Okla.	Nov. 1
Nov. 7.	Duct Line, New York, N. Y.	Oct. 25
Nov. 13.	Channel Improvements — Columbus, O. Adv. Oct. 25.	Oct. 25
Nov. 15.	Pumping Machinery — Brockton, Mass. Adv. Oct. 25 and Nov. 1.	Oct. 25
Nov. 15.	Flood Control—Dayton, O. Adv. Sept. 13 to Oct. 18.	Sept. 13

FEDERAL GOVERNMENT WORK

Bids Close		See Eng. News-Record
Nov. 5.	Post Office — Burlington, N. C.	Oct. 4
Nov. 5.	Tank and Tower—Philadelphia, Pa.	Oct. 25
Nov. 5.	Steel Tower — Charleston, S. C.	Oct. 25
Nov. 5.	Steel Tower—Norfolk, Va.	Oct. 25
Nov. 5.	Extension General Storehouse—Newport, R. I.	Nov. 1
Nov. 5.	Machine Shop — Washington, D. C.	Nov. 1
Nov. 5.	Dry Dock	Nov. 1
Nov. 20.	Bridge—Washington, D. C.	Nov. 1
Nov. 20.	Post Office—Caribou, Me.	Oct. 18
Nov. 22.	Post Office—Basin, Wyo.	Oct. 25
Nov. 23.	Post Office — Woodbury, N. J.	Oct. 25
Nov. 26.	Dry Dock Crane, Wash., D. C.	Oct. 25
Nov. 26.	Steel Towers—Washington, D. C.	Nov. 1
Nov. 27.	Post Office—Chapel Hill, N. C.	Oct. 25
Nov. 27.	Stone—New Orleans, La. Adv. Nov. 1.	Nov. 1
Nov. 28.	Post Office — Bellefourche, S. D.	Oct. 11
Nov. 30.	Post Office—Buffalo, Wyo. Adv. Nov. 1.	Nov. 1
Nov. 30.	Machinery, etc. — Cincinnati, O.	Nov. 1
Dec. 5.	Post Office—Decatur, Ala.	Nov. 1
Dec. 18.	Laterals — Torrington, Wyo.	Nov. 1

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

WATER-WORKS

Proposed Work

Mass., Agawam — Town sold $25,000 bonds to build water-works system. E. A. Kellog, chn. comrs.

N. Y., Olean—(Official)—City having peliminary plans prepared building filtration plant; including 6 motor driven centrifugal pumps, concrete mixing chambers, coagulating basins, filters, clearwell and brick operating building. E. H. Atwood, c/o Vacuum Oil Co., Olean, engr. Noted Oct. 18.

N. Y., Rochester—City plans election soon to vote on $75,000 bond issue to improve water-works system. E. T. Elwood, city engr.

N. C., Benson—City having plans prepared by G. C. White, engr., Durham, to build water-works and sewerage systems.

Miss., Pascagoula—International Shipbuilding Co. plans to build water-works system for shipyards and residential district.

O., Plymouth—Village election in November to vote on $18,000 bond issue to build filtration plant. E. L. Buckart, supt.

O., West Park — Town to [illegible]

FLAGGING—

		Nov. 1, 1917
New York	Bronx	$0.17 sq.ft.
	Manhattan	.18 sq.ft.
	Queens, 5 ft. square	.19 sq.ft.
	5x20-in. cross-walk	.30 sq.ft.
Chicago	18 in. wide	.75 lin.ft.

WOOD BLOCK PAVING—

	Size of Block	Treatment	Per Sq.Yd.
New York	3½	16	$2.00
New York	4	16	2.25
Chicago	4	16	**1.85**
Chicago	City specifications		1.70
St. Louis	3½	16	1.80
St. Louis	4	16	2.03
Seattle	4	16	**2.35**
Boston	4	20	.... *
Kansas City	4	16	2.50
St. Paul	3½	16	2.00
San Francisco	3	16	2.15
San Francisco	3½	16	2.26
San Francisco	4	16	2.57

*Market unstable account of lumber situation.

CURBING—Prices per linear foot are as follows:

New York	5 x 16	$0.45
	5 x 20	.50
Chicago	6 x 18	.60
St. Louis	5x18 square edge	.72
San Francisco	5 x 16	.75
	5 x 20	.85

CONSTRUCTION MATERIALS

SAND AND GRAVEL—Price for cargo or carload lots is as follows, per cu.yd.:

	Gravel 1½ In.		Gravel ¾ In.		Sand	
	Nov. 1, 1917	One Yr. Ago	Nov. 1, 1917	One Yr. Ago	Nov. 1, 1917	One Yr. Ago
New York	**$1.40**	$1.00	**$1.50**	$1.10	$0.50	$0.50
St. Louis	**1.11**	.70	**1.11**	.70	**1.11**	.60
Chicago	1.40	1.00	1.40	1.00	1.40	.75
Dallas	1.50	....	1.50	....	1.35	....
San Francisco	1.00	1.00	1.00	1.00	1.00	1.00
Los Angeles	.85	....	.85	....	.35	....
Denver	1.40	....	1.40	....	.95	....
Seattle	**.80**	....	**.80**	....	**.80**	....
Boston	1.50	....	1.60	....	.80	....
Kansas City	**2.15**	....	**2.60**	....	.60	....
St. Paul	1.10	....	1.40	....	.50	....

CRUSHED STONE—Price for cargo or carload lots is as follows, per cu.yd.:

	1½ In.		¾ In.	
	Nov. 1, 1917	One Year Ago	Nov. 1, 1917	One Year Ago
New York	***$1.15 to 1.25**	$0.90	***$1.25 to 1.35**	$1.00
Chicago	1.40	.85	1.40	.95
St. Louis	1.35	1.00	1.35	1.00
Dallas	1.41	....	1.49	....
San Francisco	1.00	1.00	1.00	1.00
Los Angeles	.95	....	1.00	....
Denver	1.40	....	1.40	....
Seattle	1.10	....	1.10	....
Kansas City	1.60	....	1.70	....
Boston	1.40	....	1.40	....
St. Paul	1.00	....	1.10	....

LIME—Warehouse prices:

	Hydrated per Ton		Lump per 300-Lb. Barrel	
	Finished	Common	Finished	Common
New York	$16.50	....	$2.10	....
Chicago	15.00	12.00	1.90	1.20
St. Louis	**13.00**	....	....	1.30
Dallas	20.00	15.00	....	....
San Francisco	*16.50*	....	....	1.65

Note—Refund of 10c. per bag, amounting to $2 per ton.

ROSENDALE NATURAL CEMENT—Price to dealers for 500 bbl. or over, f.o.b., including bags:

New York	$1.15

30c. allowed for bags.

PORTLAND CEMENT—These prices are for barrels in carload lots, including bags:

	Nov. 1, 1917	One Month Ago	One Year Ago
New York	$2.22	$2.22	$1.77
Jersey City	2.16	2.16	1.60
Boston	2.37	2.27	1.92
Chicago	2.21	2.21	1.86
Pittsburgh	2.31	2.31	1.81
Cleveland	2.44	2.44	1.94
Detroit	2.40	2.40	1.95
Indianapolis	2.38	2.38	1.99
Toledo	2.40	2.40	1.99
Milwaukee	2.33	2.33	1.98
Minneapolis	2.48	2.48	2.13
Duluth	2.51	2.51	2.06
Peoria	2.33	2.33	1.98
Cedar Rapids	2.48	2.48	2.09
Davenport	2.40	2.40	2.04
St. Louis	2.45	2.45	1.85
Denver	3.20	3.20	....
San Francisco	2.30	2.30	2.30
Dallas	2.40	2.40	....
Los Angeles	2.30	2.30	....
Kansas City	2.44	2.44	....
St. Paul	2.58	2.58	....
Seattle	2.65	2.65	....

TRIANGLE MESH REINFORCEMENT—Price per 100 sq.ft. in carload lots:

PLAIN 4-IN. x 4-IN. MESH

Style Number	Sectional Area Square Inches per Foot Width	Pittsburgh	New York	Chicago	St. Louis	Dallas	San Francisco
032	0.032	$0.89	$0.92	$0.93	$0.94	$1.06	1.27
049	0.049	1.13	1.18	1.18	1.20	1.34	1.63
068	0.068	1.42	1.47	1.49	1.50	1.68	2.04
093	0.093	1.82	1.89	1.91	1.92	2.17	2.62
126	0.126	2.31	2.39	2.42	2.44	2.74	2.96
153	0.153	2.75	2.86	2.88	2.91	3.27	3.32
180	0.180	3.16	3.27	3.31	3.34	3.76	....
245	0.245	4.17	4.33	4.36	4.41	4.96	5.65
287	0.287	4.82	5.00	5.04	5.10	5.72	6.94
336	0.336	5.59	5.80	5.85	5.92	6.66	....

PLAIN 4-IN. x 8-IN. MESH

036P	0.036	.69	.71	.72	.73	.82	....
053P	0.053	.97	1.01	1.02	1.03	1.16	....
072P	0.072	1.36	1.30	1.32	1.33	1.50	....
097P	0.097	1.62	1.68	1.70	1.71	1.93	....
049R	0.049	.97	1.01	1.02	1.03	1.15	1.97
067R	0.067	1.26	1.30	1.32	1.33	1.50	....
089R	0.089	1.62	1.68	1.70	1.71	1.93	....

Made in 16-, 20-, 24-, 28-, 32-, 36-, 40-, 44-, 48-, 52- and 56-in. width in rolls 150-, 200- and 300-ft. lengths.

Galvanized runs about 10% higher than plain.

EXPANDED METAL LATH—Prices per 100 yd. for painted are as follows:

		Carload					
		New York					
Gage	Weight	Nov. 1, 1917	One Year Ago	Chicago	St. Louis	San Francisco	Dallas
27	233	$31.00	$18.00	$31.00	$34.00	$29.00	$32.00
26	250	32.05	19.00	32.00	35.00	30.25	....
25	300	33.15	20.00	33.00	....	.... *	35.00
24	340	34.25	21.00	34.00	37.00	33.00	36.00
22	450	36.45	24.00	36.00	....	.... *	....

*Not carried.

About 10% additional for smaller quantities.

BARS, CONCRETE REINFORCING—The following quotations are per 100 lb.:

ROLLED FROM BILLETS

		Warehouse				
		New York				
In.	Mill Shipment	Nov. 1, 1917	One Year Ago	St. Louis	Chicago	San Francisco	Dallas
¾ and larger	*	$5.10	$3.35	$2.90†	$4.50	$6.50	$4.75
⅝	*	5.15	3.45	2.95†	4.55	6.55	4.80
½	*	5.20	3.50	3.00†	4.60	6.60	4.85
⅜	*	5.35	3.75	3.15†	4.75	6.75	5.00
¼	*	5.60	4.10	3.40†	5.00	7.00	6.00

*Mill quotations on actual specifications.

†St. Louis: Nominal Government price.

ROLLED FROM RAILS

	Dallas		Dallas
¾ in. and larger	$4.75	⅜	$5.00
⅝	4.80	¼	6.00
½	4.85		

BRICK—To contractors the price per 1000 in cargo or carload lots is as follows:

	Common			Paving	
	Nov. 1, 1917	One Month Ago	One Year Ago	Brick	Block
New York	$8.25	$8.25	$7.75	$32.00	$38.00
Boston	13.25	13.25	....	....	25.00
Chicago	8.00	8.00	6.00	....	....
St. Louis, salmon	8.00	8.00	7.00	....	....
St. Louis, selected	10.00	10.00	10.00	....	....
Denver	8.00	8.00	....	....	....
Los Angeles	**7.50**	6.50	....	....	28.00
San Francisco	10.00	10.00	10.00	....	....
Dallas	8.60	8.60	....	22.00	22.50
Kansas City	11.00	11.00	....	....	23.00
St. Paul	8.70	8.70	....	....	....
Seattle	9.00	9.00	....	....	28.75

HOLLOW TILE—Hollow building tile price per block in cents:

	New York					
	Nov. 1, 1917	One Year Ago	Chicago	St. Louis	San Francisco	Dallas
4x12x12	$0.0925	$0.075	**$0.079**	$0.054	$0.0825	$0.075
6x12x12	.1295	.104	**.120**	.066	.11	.10
8x12x12	.15725	.1266	**.135**	.09	.1275	.14
10x12x12	.185	.149	**.1607**	.15	.20	.16
12x12x12	.23125	.1875	**.19285**	.18	.22	.21

	4x12x12	8x12x12	12x12x12
Boston	$0.0957	$0.171	$0.2266
Kansas City	.058	.112	.1575
Denver	**.11**	**.20**	**.30**
Los Angeles	.055	.10	.165
Seattle	.06	.10	.16
St. Paul	.055	.138	.153

STRUCTURAL MATERIAL—The following are the base prices f.o.b. mill, Pittsburgh, together with the quotations per 100 lb. from warehouses at the places named:

	Pittsburgh	New York Nov. 1, 1917	New York 1 Yr. Ago	St. Louis	Chicago	San Francisco	Dallas
Beams, 3 to 15 in.	$3.00	$5.25	$3.85	$5.05	$5.00	$7.75	$6.00
Channels, 3 to 15 in.	3.00	5.25	3.25	5.05	5.00	7.75	6.00
Angles, 3 to 6 in., ¼ in. thick	3.00	5.25	3.25	5.05	5.00	7.75	6.00
Tees, 3 in. and larger	3.00	5.30	3.40	5.05	5.05	7.75	6.00
Plates	3.25	10.00	4.00	7.05	7.00	10.50	9.00

RIVETS—The following quotations are per 100 lb.:

STRUCTURAL

	Mill, Pittsburgh	Warehouse New York Nov. 1, 1917	Warehouse New York One Year Ago	Warehouse Chicago	Warehouse St. Louis	Warehouse San Francisco	Warehouse Dallas
¾ in. and larger	$5.25	$7.00	$5.25	$5.50	$5.55	$7.15	$8.40

CONE HEAD BOILER

¾ in. and larger	5.35	7.10	5.35	5.60	5.65	7.25	8.50
⅝ and ⅞	5.50	7.25	5.50	5.75	5.80	7.40	8.65
½ and ⅝	5.85	7.60	5.85	6.10	6.15	7.75	9.00

Lengths shorter than 1 in. take an extra of 50c. Lengths between 1 in. and 2 in. take an extra of 25c.

PREPARED ROOFINGS—Standard grade rubbered surface, complete with nails and cement, costs per square as follows in New York, St. Louis, Chicago and San Francisco:

	1-Ply		2-Ply		3-Ply	
	c.l.	l.c.l.	c.l.	l.c.l.	c.l.	l.c.l.
No. 1 grade	$1.15	$1.40	$1.45	$1.60	$1.75	$1.90
No. 2 grade	1.10	1.25	1.25	1.40	1.50	1.65

Asbestos asphalt-saturated felt (14 lb. per square) costs $6.50 per 100 lb.

Slate-surfaced roofing (red and green) in rolls of 108 sq.ft. costs $1.85 per roll in carload lots and $2.10 for smaller quantities.

Shingles, red and green slate finish, cost $4.75 per square in carloads, $5 in smaller quantities, in Philadelphia.

ROOFING MATERIALS—Prices per ton f.o.b. New York or Chicago:

	Carload Lots	Less Than Carload Lots
Tar felt (14 lb. per square of 100 sq.ft.)	$61.00	$62.00
Tar pitch (in 400-lb. bbl.)	15.00	16.50
Asphalt pitch (in barrels)	29.00	30.50
Asphalt felt	60.00	62.00

SHEETS—Quotations are in cents per pound in various cities from warehouse, also the base quotations from mill:

Blue Annealed	Large Lots, Pittsburgh	St. Louis	Chicago	*San Francisco	New York—Nov. 1, 1917	New York—One Yr. Ago
No. 10	6.00	8.05	8.00	11.00	10.00	4.25
No. 12	6.05	8.10	8.05	11.05	10.05	4.30
No. 14	6.10	8.15	8.10	11.10	10.10	4.35
Black						
Nos. 18 and 20	5.80	9.35	8.30	10.30	9.30	3.80
Nos. 22 and 24	5.85	9.40	8.35	10.85	9.35	3.85
No. 26	5.90	9.45	8.40	10.90	9.40	3.90
No. 27	5.95	9.50	8.45	10.95	9.45	3.95
No. 28	6.00	9.55	8.50	11.00	9.50	4.00
Galvanized						
No. 10	6.50	8.35	8.70	....	10.80	....
No. 12	6.60	8.50	8.70	11.40	10.90	4.50
No. 14	6.60	8.65	8.70	11.40	10.90	4.50
Nos. 18 and 20	6.90	8.95	9.00	11.70	11.25	4.90
Nos. 22 and 24	7.05	9.10	9.15	11.85	10.55	5.30
No. 26	7.20	9.25	9.20	12.00	10.70	5.45
No. 28	7.50	9.55	9.50	12.30	11.00	5.75

LINSEED OIL—These prices are per gallon:

	New York—Nov. 1, 1917	New York—One Year Ago	Cleveland—Nov. 1, 1917	Cleveland—One Year Ago	Chicago—Nov. 1, 1917	Chicago—One Year Ago
Raw in barrels	$1.16	$0.88	$1.15	$0.97	$1.17	$0.92
5-gal. cans	1.26	.98	1.25	1.07	1.27	1.02

WHITE AND RED LEAD in 500-lb. lots sell as follows in cents per pound:

	Red—Nov. 1, 1917 Dry	Red—Nov. 1, 1917 In Oil	Red—1 Year Ago Dry	Red—1 Year Ago In Oil	White—Nov. 1, 1917 Dry	White—Nov. 1, 1917 In Oil	White—1 Yr. Ago Dry	White—1 Yr. Ago In Oil
100-lb. keg	12.25	12.50	10.50	11.00	12.00		10.50	
25- and 50-lb. kegs	12.50	12.75	10.75	11.25	12.25		10.75	
12½-lb. keg	12.75	13.00	11.00	11.50	12.50		11.00	
1- to 5-lb. cans	14.25	14.50	12.50	12.50	14.50		12.50	

LUMBER*—Price per M in carload lots:

Rough Douglas Fir, No. 1 Common—More than carload lots in San Francisco:

Size in Inches	15 Ft. and Under	16 to 24 Ft.	25 to 32 Ft.
3 and 4x4	$24.00	$25.50	....
3 and 4x6 and 8	24.00	24.50	$25.50
6x6 and 8x8	24.50	25.50	25.50
3 and 4x10	24.00	25.50	26.50
6 and 8x10	25.00	26.00	27.00
2 and 4x12	24.00	25.50	26.50
6 and 8x12	25.50	26.50	26.50
10 and 12x12	25.00	25.00	27.00
3 and 4x14	25.00	27.00	28.00
6 and 8x14	26.50	27.50	27.50
7 and 9x14	27.50	28.50	28.50
10 and 12x14	26.00	26.00	28.00

Square Edge and Sound Green

	Southern Pine—New York—20 Ft. and Under	Southern Pine—New York—22-24 Ft.	Southern Pine—Chicago—20 Ft. and Under	Southern Pine—Chicago—22-24 Ft.	Yellow Pine—St. Louis—20 Ft. and Under	Yellow Pine—St. Louis—22-24 Ft.
3x 4 to 8x 8	$33.75	$35.75	$31.75	$33.75	$28.75	$30.75
3x10 to 10x10	34.75	38.75	32.75	34.75	29.75	31.75
3x12 to 12x12	40.75	42.75	38.75	40.75	35.75	37.75
3x14 to 14x14	42.75	44.75	40.75	42.75	37.75	39.75
3x16 to 16x16	45.75	47.75	43.75	45.75	40.75	42.75
3x18 to 18x18	48.75	50.75	46.75	48.75	43.75	46.75
4x20 to 20x20	51.75	53.75	49.75	51.75	46.75	48.75

Over 24 ft.—Add $1 for each additional 2 ft. in length up to 40 ft. for sizes 12 x 12 and under; for sizes over 12 x 12 add $2. For merchantable add $2 to sizes 10 x 10 and under. For prime add $2 to the price of merchantable for all sizes.

Prices from Lumberman's Bureau.

	8 x 8-In. x 20 Ft. and Under—Y.P.	8 x 8-In. x 20 Ft. and Under—Fir	8 x 8-In. x 20 Ft. and Under—Hemlock	8 x 8-In. x 20 Ft. and Under—Spruce	12 x 12-In., 20 Ft. and Under—Y.P.	12 x 12-In., 20 Ft. and Under—Fir
Kansas City	$41.00	$33.00	$33.00	....	$47.00	$33.00
Seattle	21.00	21.00	21.00	$21.00	21.00	21.00
Denver	....	30.00	....	27.50	....	32.00
San Francisco	....	24.00	24.00	....	....	24.00
St Paul	....	38.00	31.50	....	....	43.00

Note—Boston lumber market demoralized.

	1-In. Rough, 10 In. x 16 Ft. and Under—Y.P.	1-In. Rough, 10 In. x 16 Ft. and Under—Fir	1-In. Rough, 10 In. x 16 Ft. and Under—Hemlock	2-In. T. and G. 10 In. x 16 Ft.—Y.P.	2-In. T. and G. 10 In. x 16 Ft.—Fir
Kansas City	$42.00	$42.50	$41.00	$50.00	....
Seattle	21.00	21.00	21.00	21.00	$21.00
Los Angeles	....	30.00	30.00	....	....
Denver	....	30.00	30.00	....	30.00
San Francisco	....	24.00	24.00	....	24.00
St. Paul	....	51.00	34.00	59.00	37.50

NAILS—The following quotations are per keg from warehouse:

	Pittsburgh	St. Louis	Denver	Chicago	San Francisco	Dallas
Wire	$2.70	$4.00	$4.00	$4.45	$4.60	$4.50
Cut	2.70	5.00	5.00	4.60	6.15	....

MISCELLANEOUS

FREIGHT RATES—On finished steel products in the Pittsburgh district, including plates, structural shapes, merchant steel, bars, pipe fittings, plain and galvanized wire nails, rivets, spikes, bolts, flat sheets (except planished), chains, etc., the following freight rates are effective in cents per 100 lb.:

Boston	21.5	New Orleans	30.7
Buffalo	11.6	New York	19.5
Chicago	18.9	Pacific Coast (all rail)	75.0
Cincinnati	15.8	Philadelphia	18.5
Cleveland	10.5	St. Louis	23.6
Denver	68.6	St. Paul	32.9
Kansas City	43.6		

WATER TREATMENT CHEMICALS—Prices per pound are as follows:

	New York	Chicago
Sulphate of alumina (iron free), in 400-lb. barrel	$0.045	....
Hypochlorite of lime (bleaching powder), in 700-lb. drums	.63	$0.04
Soda ash, in 400-lb. bbl.	.05	.04
Liquid chlorine, in 100-lb. cylinders	.175	.16 to .18

Lime is quoted separately.

CONTRACTORS' MISCELLANEOUS SUPPLIES

STEEL SHEET PILING—The following price is base per 100 lb. f.o.b. Pittsburgh, with a comparison of a month and a year ago:

Nov. 1, 1917	One Month Ago	One Year Ago
$4.00 to $5.00	$4.50 to $5.00	$2.60 to $2.70

WIRE ROPE—Discounts from list price on regular grades of bright and galvanized are as follows:

	New York	St. Louis	Chicago	San Francisco
Galvanized	10—2½%	10—2½%	10—2½%	List
Bright	20—2½%	20—2½%	20—2½%	15%

MANILA ROPE—For rope smaller than ⅝-in. the price is ½ to 2c. extra; while for quantities amounting to less than 600 ft. there is an extra charge of 1c. The number of feet per pound for the various sizes is as follows: ⅜-in., 8 ft.; ½-in., 6; ⅝-in., 4½; 1-in., 3½; 1¼-in., 2 ft. 10 in.; 1½-in., 2 ft. 4 in. Following is price per pound for ⅝-in. and larger, in 1200-ft. coils:

Boston	$0.35½	Kansas City	$0.33½
New York	.34	Los Angeles	.33½
Chicago	.32½	Seattle	.33½
Denver	.35½	San Francisco	.31

EXPLOSIVES—Price per pound in small lots at cities named:

	Low Freezing 20%	Gelatin 40%	Gelatin 60%	Gelatin 80%	Black Powder
New York	....	$0.27½	$0.34½	....	$2.50*
Boston	....	....	.36¼	$0.43¾	....
Kansas City	$0.20	.26¼	.33¼	.43¼	....
Los Angeles	.20	.27	.37	....	....
Seattle	.18½	.24¾	.31¾	.41¾	....
Chicago	.19¾	.23¾	.33	.43	2.45*
St. Paul	.20	.26¼	.33¼	....	2.55*
St. Louis	.16½	.20½	.29½	.39½	2.15*
Denver	.19	.25¼	.32¼	.42¼	....
Dallas	.25	.29	.39	.49	....

*25-lb. bags

POLES—Prices on Western red cedar poles:

	New York—Nov. 1, 1917	New York—One Year Ago	Chicago	St. Louis	Denver
6 in. by 30 ft.	$5.59	$4.77	$4.94	$4.94	$4.32
7 in. by 30 ft.	7.40	5.90	6.60	6.60	5.80
7 in. by 35 ft.	10.70	....	9.60	9.60	8.55
8 in. by 30 ft.	12.20	9.75	10.90	10.90	9.65
7 in. by 40 ft.	12.35	9.95	11.00	11.00	9.75
8 in. by 40 ft.	13.75	....	12.15	12.15	10.65
*8 in. by 45 ft.	18.20	14.45	16.20	16.20	14.30
*8 in. by 50 ft.	21.85	16.85	19.45	19.45	17.15

*10c. higher freight rates on account of double loads.

OLD MATERIAL—The prices following are per gross ton paid to dealers and producers in New York. In Chicago and St. Louis the quotations are per net ton and cover delivery at the buyer's works, including freight transfer charges:

	New York—Nov. 1, 1917	New York—One Month Ago
Heavy melting steel scrap	$23.50 to 24.00	$28.50 to 29.50
No. 1 railroad wrought	32.00 to 33.00	39.00 to 40.00
Stove plate	18.00 to 19.00	20.00 to 25.00
No. 1 machinery cast	26.00 to 27.00	30.00 to 31.00
Machine shop turnings	14.00 to 15.00	18.00 to 19.00
Cast borings	16.00 to 17.00	20.00 to 21.00
Railroad malleable cast	27.00 to 28.00	32.00

	Chicago—Nov. 1, 1917	Chicago—One Month Ago
No. 1 railroad wrought	$28.50 to 29.00	$36.00
Stove plate	15.50 to 16.50	17.25
No. 1 machinery cast	20.00 to 21.00	25.00
Machine shop turnings	15.00 to 15.50	17.00
Cast borings	14.25 to 15.25	17.00
Railroad malleable cast	24.00 to 25.00	30.00

	St. Louis Price Delivered—Nov. 1, 1917	St. Louis Price Delivered—One Month Ago
No. 1 railroad wrought	$29.00 to 30.00	$31.50
Stove plate	10.00 to 11.00	16.00 to 17.00
No. 1 machinery cast	19.00 to 20.00	21.00 to 22.50
Machine shop turnings	11.00 to 12.00	12.00 to 14.00
Cast borings	12.00 to 13.00	13.00 to 14.00
Railroad malleable cast	24.00 to 25.00	25.00 to 26.00

Proposals

For Proposals Advertised See Pages 82 to 84 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
Nov. 5.	Moberly, Mo.	Nov. 1
Nov. 7.	Tonawanda, N. Y.	Oct. 18
Nov. 8.	Pender, Neb.	Nov. 1
Nov. 10.	Winnipeg, Man. Adv. Nov. 1.	Nov. 1
Nov. 15.	Chapleau, Ont.	Nov. 1

SEWERS

Bids Close		See Eng. News-Record
Nov. 3.	Altamont, N. Y. Adv. Oct. 25.	Oct. 25
Nov. 5.	Cheyenne, Wyo.	Oct. 25
Nov. 5.	St. Paul, Minn.	Nov. 1
Nov. 6.	Eagle Lake, Tex.	Nov. 1
Nov. 6.	Kansas City, Mo.	Nov. 1
Nov. 7.	Canton, O.	Nov. 1
Nov. 8.	Jersey City, N. J.	Nov. 1
Nov. 9.	Brooklyn, N. Y.	Nov. 1
Nov. 12.	Pleasantville, N. J. Adv. Nov. 1.	Nov. 1
Nov. 14.	Niles, O.	Nov. 1
Nov. 19.	Brainerd, Minn.	Nov. 1
Nov. 26.	Oil City, Pa.	Nov. 1

BRIDGES

Bids Close		See Eng. News-Record
Nov. 5.	Utica, Ill.	Nov. 1
Nov. 6.	Watonga, Okla.	Nov. 1
Nov. 6.	Oswego, Kan. Adv. Oct. 18 and 25.	Oct. 18
Nov. 6.	Dallas, Tex. Adv. Oct. 11 and 18.	Oct. 11
Nov. 6.	Little Falls, Minn.	Oct. 18
Nov. 8.	Stillwater, Okla.	Nov. 1
Nov. 12.	Minneapolis, Minn.	Oct. 25
Nov. 17.	Charleston, S. C.	Nov. 1

STREETS AND ROADS

Bids Close		See Eng. News-Record
Nov. 2.	Brooklyn, N. Y.	Nov. 1
Nov. 5.	California	Oct. 25
Nov. 5.	Bloomfield, N. J.	Oct. 25
Nov. 5.	Pikeville, Ky.	Sept. 27
Nov. 5.	Kansas City, Kan.	Oct. 18
Nov. 5.	Coffeeville, Miss. Adv. Oct. 18 to Nov. 1.	Oct. 18
Nov. 5.	Fayetteville, W. Va.	Oct. 18
Nov. 5.	Des Moines, Ia.	Nov. 1
Nov. 5.	Oakland, Cal.	Nov. 1
Nov. 5.	Butte, Mont.	Nov. 1
Nov. 6.	Oregon	Nov. 1
Nov. 6.	Ft. Pierce, Fla.	Oct. 25
Nov. 6.	Goldendale, Wash.	Oct. 25
Nov. 6.	West Orange, N. J.	Oct. 18
Nov. 6.	Indiana	Oct. 11
Nov. 6.	Morgantown, W. Va. Adv. Oct. 11.	Oct. 11
Nov. 6.	Tallahassee, Fla.	Oct. 25
Nov. 6.	San Diego, Cal.	Oct. 25
Nov. 6.	Waterville, Wash.	Oct. 25
Nov. 7.	Santa Ana, Cal.	Nov. 1
Nov. 7.	Globe, Ariz.	Nov. 1
Nov. 7.	Montgomery, O.	Nov. 1
Nov. 7.	Jefferson City, Mo.	Oct. 25
Nov. 8.	Pennsylvania Adv. Oct. 18 to Nov. 1.	Oct. 18
Nov. 8.	Norristown, Pa. Adv. Oct. 25 and Nov. 1.	Oct. 25
Nov. 8.	Jersey City, N. J.	Nov. 1
Nov. 9.	Cincinnati, O.	Nov. 1
Nov. 9.	Brooklyn, N. Y.	Nov. 1
Nov. 10.	Gibson, Ga.	Nov. 1
Nov. 12.	California	Nov. 1
Nov. 13.	Prestonsburg, Ky.	Oct. 25
Nov. 14.	Minnesota	Oct. 25
Nov. 15.	Clarksville, Tenn.	Nov. 1
Nov. 16.	Cincinnati, O.	Nov. 1
Nov. 19.	Seattle, Wash.	Nov. 1
Nov. 19.	Brewton, Ala.	Nov. 1
Nov. 20.	Holdredge, Neb.	Nov. 1
Nov. 22.	Hindman, Ky.	Oct. 25
Nov. 23.	Kendallville, Ind.	Oct. 25

EXCAVATION AND DREDGING

Bids Close		See Eng. News-Record
Nov. 2.	Armour, S. D.	Nov. 1
Nov. 7.	Lincoln, Neb.	Oct. 25
Nov. 7.	Mason City, Ia.	Nov. 1
Nov. 8.	Harrisonville, Mo.	Oct. 25
Nov. 8.	Ft. Dodge, Ia.	Nov. 1
Nov. 9.	St. Cloud, Minn.	Sept. 27
Nov. 12.	Havana, Ill.	Nov. 1
Nov. 13.	Granite Falls, Minn.	Nov. 1
Nov. 15.	Garden Prairie, Ill.	Nov. 1
Nov. 16.	Madison, Wis.	Nov. 1

BUILDINGS

Bids Close		See Eng. News-Record
Nov. 7.	Bellefontaine, O.	Nov. 1
Nov. 12.	Eldorado, Tex.	Nov. 1
Nov. 12.	Cleveland, O.	Nov. 1
Nov. 12.	Tallahassee, Fla.	Nov. 1
Nov. 13.	Palo Alta, Cal.	Nov. 1
Nov. 15.	Northampton, Mass.	Oct. 25
Nov. 25.	Middletown, Mass.	Oct. 4
Dec. 1.	Norfolk, Va.	S 13

MISCELLANEOUS

Bids Close		See Eng. News-Record
Nov. 5.	Incinerator — Okmulgee, Okla.	Nov. 1
Nov. 7.	Duct Line, New York, N. Y.	Oct. 25
Nov. 13.	Channel Improvements — Columbus, O. Adv. Oct. 25.	Oct. 25
Nov. 15.	Pumping Machinery — Brockton, Mass. Adv. Oct. 25 and Nov. 1.	Oct. 25
Nov. 15.	Flood Control—Dayton, O. Adv. Sept. 13 to Oct. 18.	Sept. 13

FEDERAL GOVERNMENT WORK

Bids Close		See Eng. News-Record
Nov. 5.	Post Office — Burlington, N. C.	Oct. 4
Nov. 5.	Tank and Tower—Philadelphia, Pa.	Oct. 25
Nov. 5.	Steel Tower — Charleston, S. C.	Oct. 25
Nov. 5.	Steel Tower—Norfolk, Va.	Oct. 25
Nov. 5.	Extension General Storehouse—Newport, R. I.	Nov. 1
Nov. 5.	Machine Shop — Washington, D. C.	Nov. 1
Nov. 5.	Distributing System — Charleston, W. Va.	Nov. 1
Nov. 6.	Bridge—Towaoc, Colo.	Oct. 18
Nov. 7.	Buildings — Elbowoods, N. D.	Oct. 18
Nov. 8.	Levee Work — Vicksburg, Miss. Adv. Oct. 18 to Nov. 1.	Oct. 18
Nov. 8.	Piers, etc.—Detroit, Mich. Adv. Oct. 11 to Nov. 1.	Oct. 11
Nov. 9.	Post Office—Forsyth, Ga.	Oct. 11
Nov. 12.	Emergency Hospital—Brooklyn, N. Y.	Nov. 1
Nov. 13.	Piles, Walling and Lumber —New Orleans, La. Adv. Nov. 1.	Nov. 1
Nov. 13.	Post Office—Harrisonville, Mo.	Oct. 11
Nov. 14.	Post Office—Austin, Tex.	Oct. 11
Nov. 15.	Canals—El Paso, Tex. Adv. Oct. 18.	Oct. 18
Nov. 16.	Maneuver Boats — Wheeling, W. Va. Adv. Oct. 18.	Oct. 18
Nov. 19.	Fitting out Cranes—Washington, D. C.	Oct. 18
Nov. 19.	Shipbuilding Ways — Brooklyn, N. Y.	Oct. 25
Nov. 19.	Electric Elevator—Norfolk, Va.	Nov. 1
Nov. 19.	Refrigerating Plant and Brine Circulating System—Washington, D. C.	Nov. 1
Nov. 19.	Timber Bulkheads, Boston, Mass.	Nov. 1
Nov. 20.	Bridge—Washington, D. C.	Nov. 1
Nov. 20.	Post Office—Caribou, Me.	Oct. 18
Nov. 22.	Post Office—Basin, Wyo.	Oct. 25
Nov. 23.	Post Office — Woodbury, N. J.	Oct. 25
Nov. 26.	Dry Dock Crane, Wash., D. C.	Oct. 25
Nov. 26.	Steel Towers—Washington, D. C.	Nov. 1
Nov. 27.	Post Office—Chapel Hill, N. C.	Oct. 25
Nov. 27.	Stone—New Orleans, La. Adv. Nov. 1.	Nov. 1
Nov. 28.	Post Office — Bellefourche, S. D.	Oct. 11
Nov. 30.	Post Office—Buffalo, Wyo. Adv. Nov. 1.	Nov. 1
Nov. 30.	Machinery, etc. — Cincinnati, O.	Nov. 1
Dec. 5.	Post Office—Decatur, Ala.	Nov. 1
Dec. 18.	Laterals — Torrington, Wyo.	Nov. 1

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

WATER-WORKS

Proposed Work

Mass., Agawam — Town sold $25,000 bonds to build water-works system. E. A. Kellog, chn. comrs.

N. Y., Olean—(Official)—City having peliminary plans prepared building filtration plant; including 6 motor driven centrifugal pumps, concrete mixing, chambers, coagulating basins, filters, clearwell and brick operating building. E. H. Atwood, c/o Vacuum Oil Co., Olean, engr. Noted Oct. 18.

N. Y., Rochester—City plans election soon to vote on $75,000 bond issue to improve water-works system. E. T. Elwood, cit. engr.

N. C., Benson—City having plans prepared by G. C. White, engr., Durham, to build water-works and sewerage systems.

Miss., Pascagoula—International Shipbuilding Co. plans to build water-works system for shipyards and residential district.

O., Plymouth—Village election in November to vote on $18,000 bond issue to build filtration plant. E. L. Buckart, supt.

O., West Park — Town to sell $35,000 bonds Nov. 26, to extend and improve water-works system. F. Fouchter, clk.

Ind., Bristol—Town plans to build water-works system.

Mich., Jackson — (Official)—City had plans prepared by S. G. Pollard, engr., 3422 Burch Ave., Cincinnati, O., for water-works improvements, including artesian wells, electrically operated pumping station and 6200 ft. 20-24-in. wood or cement pipe. About $70,000. Noted Oct. 4.

Ia., Red Oak—See "Sewers."

Kan., Eldorado—City plans to install filtration plant. About $20,000. W. H. Betz, supt.

Tex., Beaumont—City election Nov. 17 to vote on $300,000 bond issue to build water-works system. C. L. Scherer, city engr.

Okla., Indiahoma — City voted $15,000 bonds to build water-works system. A. Finigan, pres. Noted Sept. 13.

Okla., Madill — City plans election to vote on bond issue to improve water-works system.

Wash., Othello—City election Nov. 19 to vote on $14,000 bond issue to improve water-works system. Noted Apr. 12.

Water-Works (Continued)

Wash., Seattle—City having plans prepared extending Cedar River water-works system. About $3,700,000. A. H. Dimock, city engr.

Ore., Monmouth—A. J. Pepin, Chitwood, plans to build water-works system for Monmouth and Independence, including 12-in. pipe line from Teals Creek, 15 mi. long. About $100,000. F. Moreland, supt.

Cal., Redding—City having plans prepared for water-works system.

Que., Three Rivers—City soon lets contract for pumping station and concrete reservoir. A Beliveau, clk. Asselin & Denoncourt, Three Rivers, archts. Noted May 3.

Ont., Stratford—City plans to build new storage basin at water-works. About $15,000. A. B. Manson, city engr.

BIDS DESIRED

Neb., Pender—Until Nov. 8, by City, building water-works and electric light systems. Hennington Eng. Co., Omaha, engrs. Noted Oct. 4.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Kan., Winfield**—City let contract for water-works improvements, involving 20,000 ft. 14-18-in. c.i. pipe, to Amer. Cast Iron Pipe Co., 716 Scarritt Bldg., Kansas City, Mo., $59,856. Noted Nov. 1.

★**N. D., Dickinson**—See "Sewers."

★**Ark., Dardanelle** — (Official) — Comrs. Sewer Dist. No. 1 let contract installing 36,000 ft. 6 21-in. water mains, to McEachin & McEachin, McAlester, Okla., $36,000. Noted Aug. 23.

Wash., Seattle—Bd. Pub. Wks. received low bids for water mains in 10th Ave., N. E. (a) wood pipe, (b) iron pipe, from Scalzo & Co., 1708 22nd Ave., (a) $30,598; (b) $47,327; Fiorito Bros., Seattle, (a) $31,095, (b) $48,798; V. Ramaglia, 4830 37th St., (a) $31,298, (b) $48,798.

SEWERS

Proposed Work

N. J., Passaic—City plans to build sewer in Monroe St. About $27,500. C. R. Wise, city engr.

N. J., Prospect Park—(Paterson P. O.)—Council passed ordinance to build sewerage system and pumping plant. H. J. Harden, boro. engr.

O., Akron—City plans to build main trunk sewer, outlet and branches in Dist. No. 3. E. A. Zeisloft, city engr.

O., Painesville—City plans to build sewer in Sanford St. About $29,000. J. Crabbs, city engr.

O., West Park — City to sell $30,000 bonds Nov. 26 to build sewers. F. Feuchter, clk.

Ind., Indianapolis—City had plans prepared by G. W. Fuller, engr., 170 Bway., New York City, building sewage disposal plant. Cost estimated at $3,090,050. Noted Apr. 17.

Ind., Indianapolis — (Official) — City lets contract about Nov. 15 building sewer in East 30th St., 7325 ft. long, brick or segmental block. About $90,000. C. A. Brown, asst. city engr.

Mich., St. Joseph—(Official)—City rejected bids for sewage disposal plant. Temporary system will be installed for present. Noted Oct. 4.

Ill., Maywood—Sanitary Dist., Chicago, purchased site in Provo Twp. on Des Plaines River, near here, on which it plans to build sewage treatment plant. Cost between $75,000 and $100,000. J. McGillen, Karpen Bldg., Chicago, clk.

Ill., Rock Island—City cancelled contract awarded last year to Independent Constr. Co., 304 Lane Bldg., Davenport, Ia., building southwest storm drain. New bids soon. About $60,000. W. Treichler, city engr.

Ia., Marcus—Town having plans prepared for sanitary sewerage system, including septic tank and disposal plant. About $42,000.

Ia., Red Oak—McGregor Subdivision Co., Cedar Rapids State Bank Bldg., Cedar Rapids, plans to lay out 46-acre sub-division, including sewers, gas mains, water-works, and sidewalks. H. R. Greene, 2nd St. and 1st Ave., Cedar Rapids, engr.

Neb., Omaha—City plans to build storm sewers on 25th and Dahlman Blvd.; also sewer and storm-water drain near Carter Lake. About $28,000 and $31,000 respectively. J. A. Bruce, city engr.

Tex., Frost—City sold $10,500 bonds to build sewers. J. S. Persnall, secy.

Tex., Yoakum—San Antonio & Arkansas Pass Ry. plans sanitary sewerage system throughout shop buildings and grounds. About $10,000. J. S. Peter, San Antonio, genl. mgr.

Colo., Arvada—City election soon to vote on bond issue to build sewerage system. J. Lercher, supt.

Idaho, Burley—Council passed ordinance creating Impvt. Dist. No. 18, and will build storm sewers and pavements. About $54,000. E. C. Davis, clk.

Idaho, Montpelier—Council passed ordinance providing for construction of new sewerage system. T. Barrett, clk.

Utah, Moab—Town plans to install sewerage system for business section. About $12,000.

Utah, Ogden—City plans to install sewerage system. About $26,000. J. M. Tracy, city engr.

Cal., Los Angeles—City plans to build sewers in Junipero Ave. and 11th St.; also in 20 other streets. H. G. Waughop, clk.

Ont., London—City having plans prepared for sanitary sewers on Eva, Florence, York and Eleanor Sts. About $18,000. H. Brazier, city engr.

BIDS DESIRED

N. Y., Brooklyn—(Official) — Until Nov. 9, by L. H. Pounds, boro. pres., building sewer in portion 39th St., involving 1052 lin.ft. 30-in. brick sewer and 125 lin.ft. 18-in. pipe sewer. About $12,573.

N. J., Jersey City—(Official)—Until Nov. 8, by City, for 18-in. vitr. pipe sewer in portion Summit Ave. C. A. Van Kuren, city engr. Noted Sept. 13.

N. J., Pleasantville — (Official) — Until Nov. 12, by City, building sanitary sewerage system and sewage treatment plant. N. Andrews, clk. Noted Sept. 27. Advertised in this issue.

Pa., Oil City—(Official)—Until Nov. 26, by R. Mackenzie, controller, building storm sewers in portions Alcorn and Siverly Aves. and Wayne St.; also sanitary sewers in portions Alcorn, Siverly, Keith, Pierce, and Kramer Aves., Wayne and Martin Sts., involving 13,000 ft., 6-18 in. terra cotta pipe, 390 ft. 18-24 ft. rein.-con. pipe. About $21,000. B. B. Weber, city engr. Noted Oct. 25 under Franklin, Pa.

O., Canton—(Official)—Until Nov. 7, by Dir. Pub. Serv., building storm water sewers in portions various streets. W. E. Sarver, city engr. Noted Sept. 13.

O., Niles—(Official)—Until Nov. 14, by B. L. Hogan, dir. pub. serv., building sanitary sewer in Hartzell Ave. W. J. Breeze, city engr.

Minn., Brainerd—Until Nov. 19, by A. Mahlum, city clk., building lateral sewers in Dist. No. 3, including about 4129 ft. 8-10 in. tile. C. D. Peacock, city engr.

Minn., St. Paul—(Official)—Until Nov. 5, by H. W. Austin, purch. agt., building Otto-Niles sewerage system. O. Claussen, city engr.

Mo., Kansas City—Until Nov. 6, by Bd. Pub. Wks., building sewers, curbing and sidewalks in Dist. No. 5. C. Hill, city engr.

Tex., Eagle Lake—Until Nov. 6, by City for sanitary sewerage system, including 11,500 ft. 6- 8-in. pipe. Norris Eng. Co., Wharton, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates contracts awarded)

N. Y., Brooklyn — (Official) — L. H. Pounds, boro. pres., received low bids Oct. 17, building sewers and sewage pumping station in Flatlands Ave. from Ralph Ave. to Paerdegat Ave., N., thence southerly across marginal area between Flatlands Ave. and Paerdegat Basin, from J. F. Cogan Co., Woolworth Bldg., New York City, $421,673; Cranford Co., 52 9th St., $577,275; Newman & Carey Subway Constr. Co., 1228 Nostrand Ave., $646,893. Noted Oct.

N. Y., New York—Boro. received lowest bid, Oct. 23rd, improving sewers in portions of East 114th and 121st Sts. and West 163rd St., from Melrose Contg. Co., 147 East 125th St., about $12,894.

Pa., Phila.—See "Streets and Roads"

W. Va., Wellsburg—City received low bids building lateral sewers in 3rd and 4th Wards, from Ward Heating Supply Co., 521 Main St., $29,213, and B. Cresap, $24,021. Noted Oct. 11.

★**Ky., Falmouth**—City let contract for sanitary sewerage system, to W. L. Nowland & Co., Covington. About $10,000.

★**O., Cuyahoga Falls**—City let contract for Hotel Ave. sanitary sewerage system, involving 7500 cu.yd. earth excav., 300 cu.yd. rock trench excav., 2 mi. 6-12-in. sewer pipe, 22 manholes, etc., to C. L. Wright, Mt. Vernon, $16,846. Noted Oct. 18.

★**Mich., Detroit**—City let contract installing sewers in block bounded by Center Line, Van Dyke, Kebbe and Kerkle Sts.; also sewer in Lawrence St., and in block bounded by 12th, Hamilton, Lawrence and Burlington Sts., to M. Q. Kurjian, 188 Jefferson Ave., $16,296 and $13,811, respectively.

Minn., St. Paul—City received low bids, Oct. 22, for storm water sewer in portions Fairview Ave., Lawrence St., and Macalster Ave., from Thornton Bros., Scandinavian Bank Bldg., $77,687; O'Neill & Preston, 60 East 6th St., $87,400; E. T. Webster, 437 Beacon St., $91,287. Noted Oct. 18.

★**Kan., Baxter Springs**—City let contract for sewerage system, involving 82,618 ft. 8-15-in. sewer pipe, 302 8- 16-in. c.-i. pipe, together with manholes, etc., to Plummer-Adams Co., Springfield, Mo., $151,237. Noted Oct. 11.

Neb., Omaha—City received lowest bid building sewer ... Dist. No. 355, involving 1196 ft. 3-7 in. pipe, from Omaha Contg. Co., 3805 Manderson St., $22,433.

★**N. D., Dickinson**—City let contract extending sewerage and water-works systems, to C. W. Schruit, Minneapolis, Minn. About $30,000. Noted July 12.

★**Mont., Hardin**—City let contract building lateral drainage sewerage system and paving 28 blocks to Hanlan & Oakes, 338 Lumber Ex. Bldg., Minneapolis, Minn. About $125,000.

★**Mont., Saco**—City let contract for sewerage system, to G. W. Kemper, Minot, N. D. About $38,000.

★**Idaho, Pocatello**—(Official)—City let contract 10,000 ft. 9-in. sewers in Dist. No. 12, to R. M. Bardsen & Co., Pocatello, $24,527. Noted Oct. 11.

Cal., Santa Barbara—City received lowest bid building intercepting sewerage system, from Malgenovich & Gillespie, 219 Bloom St., Los Angeles, $36,325; sewage disposal plant and outfall sewer from W. Ledbetter, Pacific Electric Bldg., Los Angeles, $33,431 and $37,942 respectively. Noted Oct. 4.

★**Cal., Upland**—City let contract building outfall sewer, using cement pipe, to J. Chutuk, 532 South Matthews St., Los Angeles, $18,119. Noted Oct. 18.

BRIDGES

Proposed Work

N. J., Red Bank—Bd. Freeholders Monmouth Co., Freehold, had plans prepared for rein.-con. bridge, 360 ft. long, 30 ft. wide over Shrewsbury River, to be known as Hubbards Bridge. About $40,000. G. D. Cooper, 60 Broad St., Red Bank, co. engr.

Mich., Monroe — Monroe Co. and State Highway Comn., Lansing, plans to build bridge over River Raisin at county farm. About $30,000.

Tex., San Antonio—Comrs. Washington and Waller Cos. plan to build bridge over Brazos River. About $60,000.

Okla., Sallisaw—See "Streets and Roads."

Wash., Olympia — Olympia Co. rejected bids building rein.-con. bridge over Des Chutes waterway, also paving 10 blocks Harrison St. About $129,000. Noted Sept. 20.

BIDS DESIRED

S. C., Charleston—(Official)—Until Nov. 17, by Sanitary and Drainage Comn. Charleston Co., building steel draw bridge and timber approach over Dawhoo River. J. W. Marvin, engr.; advertised in this issue.

Bridges (Continued)

Ill., Utica—(Official)—Until Nov. 5, by Comrs. La Salle Co., Ottawa, building new steel superstructure on 2 north spans of Utica bridge over Illinois River. G. L. Farnsworth, Ottawa, co. supt. highways.

Okla., Stillwater—Until Nov. 8, by Payne Co., building 428 ft. bridge over Cimarron River. H. E. Overholt, ch. bd.

Okla., Watonga—Until Nov. 6, by Blaine Co., building several bridges.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Rome**—W. W. Wotherspoon, supt. pub. wks., Capitol, Albany, let contract building new plate girder bridge over Black River Canal, on Whitesboro St., to W. S. Rae, 439 Oliver Bldg., Pittsburgh, $11,683.

★**Pa., Butler**—(Official) — Pennsylvania Pub. Ser. Comn., Harrisburg, let contract building steel bridge on Main St. to W. S. Rae, 439 Oliver Bldg., Pittsburgh, $184,[illegible] Noted Oct. 4.

★**Pa., Phila.**—Dept. Pub. Wks. let contract improving Penrose Ferry bridge to E. C. Fish, $15,000.

★**Ala., Carrollton**—See "Streets and Roads."

★**Ia., Ft. Dodge**—(Official)—City let contract building rein.-con. viaduct on North 3rd St., to Jensen Constr. Co., Ft. Dodge, Ia., $118,400. Noted Sept. 27.

★**Kan., Topeka**—Shawnee Co. let contract building 140 ft. Rainbow arch bridge over Soldier Creek on Kansas Ave., to Leavenworth Bridge Co., $25,800. Noted Aug. 30.

★**Tex., Gainesville**—Gainesville Red River Bridge Co. let contract building bridge over Red River at Sacra's Ferry, 7 mi. north of Gainesville, to Midland Bridge Co., 504 Midland Bldg., Kansas City, Mo., $60,000.

STRUCTURAL STEEL WORK

BIDS DESIRED

S. C., Charleston—See "Bridges."

Ill., Havana—See "Excavation and Dredging."

Ill., Utica—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pa., Butler**—See "Bridges."

REINFORCED CONCRETE

Proposed Work

N. J., Red Bank—See "Bridges."

Minn., Duluth—See "Industrials."

Wash., Olympia—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., New York**—See "Industrial Works."

★**N. J., Bayonne**—See "Industrial Works."

★**Ia., Ft. Dodge**—See "Bridges."

★**Cal., Manhattan Beach**—See "Miscellaneous."

★**Cal., San Diego**—See "Miscellaneous."

★**B. C., Vancouver** — See "Industrial Works."

STREETS AND ROADS

Proposed Work

Mass., Revere—City issued $70,000 bonds to build roads on main thoroughfares in different sections of city. C. G. Richmond, supt. pub. wks.

N. Y., Buffalo—City plans to hard-surface portion Deer, Devereau and Cordova Sts.; also pave portion Congress St., asphalt on concrete foundation. G. H. Norton, city engr.

N. J., Jersey City—Bd. Freeholders Hudson Co. soon receives bids paving Palisade and Bergenline Aves.

Pa., Erie—City election in November to vote on $1,400,000 bond issue to build roads. F. G. Lynch, city engr.

Pa., Shinglehouse — Boro. plans to pave Academy St., 1½ mi., with State aid.

Va., Staunton — City having plans prepared macadam and asphalt pavement on various streets. About $20,000. H. H. Wyat, mayor.

N. C., Ayden—City voted $15,000 bonds to improve roads.

N. C., Fremont — Town plans to issue $20,000 bonds to improve streets, sidewalks and install electric-light plant.

N. C., Hickory — City voted $150,000 bonds to pave various streets.

Ga., St. Mary's—Camden Co. plans election to vote on $100,000 bond issue to build roads.

Fla., Key West—Monroe Co., Cape Sable Dist., voted $60,000 bonds to build 22 mi. road to connect with Ingraham Highway in Dade Co.

La., Baton Rouge—East Baton Rouge Co. plans to sell $50,000 bonds Nov. 13 to complete and maintain cross roads in Dist. No. 2.

O., Bellefontaine—Logan Co. sold $24,000 bonds to improve roads.

O., Cincinnati—City lets contract about Dec. 8, paving, curbing, and building walks on portions Seager Ave. F. Krug, city engr. Noted Sept. 20.

O., Defiance—City plans to pave portions Thurston and Summit Sts., also 5th and Holgate Aves. About $65,000. V. D. Weinsenberger, clk.

O., East Youngstown—City plans to issue $12,000 bonds to pave portions Robinson Rd., and $15,000 bonds to pave 12th St.

O., Germantown—(Official)—Village received no bids Oct. 10 paving West Market St., tarvia bound macadam and combined curb and gutter. New bids in spring. C. A. Eby, clk. Noted Oct. 4.

O., Sidney—City election Nov. 6 to vote on $40,000 bond issue to open and extend Poplar St. T. Blake, city engr.

O., Toledo — Lucas Co. sold $182,316 bonds to improve roads.

O., Toledo—City passed resolution to improve and pave portion Baker, Brown, 13th, Berkley and Raymer Sts. H. McKechnie, engr.

O., Youngstown—City plans to pave portions Ravenwood, Japan, and Belden Aves.; also build sidewalks on portions Dupont St. F. M. Lillie, city engr.

Michigan — (Official) — State Highway Comn., Lansing, rejected bids opened Oct. 24, building water-bound macadam roads in Allegan Co., Ganges Twp. Work will be readvertised. Noted Oct. 18.

Michigan — (Official) — State Highway Dept., Lansing, plans to grade, drain and clear roads in Barage Co. About $200,000. J. H. Bateman, state highway engr.

Mich., Petoskey — Emmet Co. plans to spend $70,000 for road work during year. Main trunk line highways across county from north to south and Dixie and Michigan Highways will be improved.

Mich., Pontiac—Oakland Co. voted $250,000 bonds to build roads.

Ill., Waukegan—Lake Co. plans election soon to vote on $500,000 bond issue to build roads, including east and west road and road from Belvidere to Volo, 15 mi., concrete, to cost $310,000.

Wis., Grand Rapids—City having plans prepared improving paving following streets, rein.-con.: Oak St., 8101 sq.yd. paving, 4704 lin.ft. curb, 4130 yd. grading; 8th St., 5170 sq.yd. paving, 3000 lin.ft. curb, 2750 yd. grading; Lincoln and 5th Sts., 5218 sq.yd. paving, 3030 ft. curb, 2777 yd. grading; also paving portions Grand Ave., brick, 6044 sq.yd. About $38,000. J. Wheir, pres. bd. pub. wks.

Ia., Red Oak—See "Sewers."

Ia., Rockwell City—Calhoun Co. plans to gravel 18 mi. road. About $44,595 available. State and Federal Government to appropriate toward cost.

Minn., Fergus Falls—Ottertail Co. voted to accept $30,000 Federal Aid and to appropriate same amount to improve road from Ashby to this city. W. Lincoln, aud.

Minn., St. Cloud—Stearns Co. will receive $50,000 from Federal Government to build roads during 1918. N. Thomey, co. aud.

Minn., St. Paul—City plans to pave portions Raymond Ave. About $114,438. O. Claussen, city engr.

Kan., Cottonwood Falls—Chase Co., Cottonwood Falls and Strong City plan to build 2 mi. rock road to connect Cottonwood Falls and Strong City.

Kan., Council Grove—City to sell $36,000 bonds to pave, curb, and grade certain streets. H. W. Craven, clk.

Mont., Billings—Council plans to pave portion 1st Ave. About $15,000. E. M. Schneckenberger, city engr.

Mo., Kansas City—Council passed ordinance to pave portions 38 streets. C. Hill, city engr.

Arkansas—Arkansas-Louisiana Highway Impvt. Dist. plans to determine road construction detail within 30 days; will issue $2,500,000 bonds and probably $1,000,000 later to build 177 mi. highways in Chicot, Desha, Ashley, Lincoln, and Drew Cos. E. P. Toney, Lake Village, chn. com.

Ark., Berryville—Carroll Co. plans to build 70 mi. road. Noted Aug. 2.

Ark., Magnolia — Columbia Co. Comrs. had plans prepared by State Highway Dept., Little Rock, building road from Magnolia to Ouachita Co. line, 13 mi. About $68,987.

Tex., Belton—Bell Co. plans election to vote on $300,000 bonds to build roads.

Tex., Brady — McCulloch Co. plans to build Puget Sound to Gulf Highway with State aid. About $20,000.

Tex., Crockett — Houston Co. election Nov. 17 to vote on $50,000 bond issue to build streets. A. E. Owen, co. clk. Noted Aug. 16.

Tex., Jasper—Jasper Co. voted $250,000 bonds to build roads. A. L. Hancock, co. clk. Noted Sept. 27.

Tex., Kountze—Hardin Co. plans to issue $200,000 bonds to improve roads.

Tex., San Angelo—Tom Green Co. defeated $200,000 bond issue to improve roads. Noted Sept. 27.

Tex., San Augustine—San Augustine Co. voted $52,000 bonds; $48,000 of this amount to be expended on East Texas Highway, 36 mi., remaining $4000 to improve feeder roads to highway.

Tex., Waco—McLennan Co. plans to build China Springs Rd., gravel with asphalt top; also Marlin Rd., 11½ mi. About $12,500 respectively. State Highway Dept. appropriated $30,000 of Federal Government fund for road work in this county. R. J. Windrow, co. engr.

Okla., Sallisaw—(Official)—Sequoyah Co. voted $18,000 bonds to build roads and bridges in Paw Paw Twp. Noted Oct. 4.

Okla., Tulsa—Tulsa Co. election Nov. 20 to vote on $1,750,000 bonds to build roads.

Idaho, Burley—See "Sewers."

Ariz., Prescott—Bd. Superv. Yavapai Co. voted to build road between Prescott and Jerome. About $78,000 available from State road fund and $47,000 from Federal road fund.

Ariz., Tombstone — Cochise Co. election Dec. 4 to vote on $1,000,000 bonds to build road from Pearce to highway running through Sulphur Springs Valley, also paving roads between Bisbee and Douglas and Wilcox and Pearce.

Washington—State Highway Comn., Olympia, soon receives bids improving Pacific Highway between Vancouver and La Center. About 3½ mi.

Washington—(Official) — State Highway Comn., Olympia, rejected bids opened Oct. 22, grading and draining 12 mi. Sunset Highway. Noted Oct. 11.

Wash., Auburn—City plans to pave East 1st St., et al. About $10,000.

Wash., Castlerock—Town passed resolution creating Local Impvt. Dist. No. 6, providing for construction concrete sidewalks, cross walks, curbs, etc. About $14,000.

Wash., Davenport—Lincoln Co. plans to build North Central Highway to commence at Mohler. About $28,000. Noted Oct. 11.

Wash., Olympia—See "Bridges."

Wash., Seattle—City plans paving, building curbs, sidewalks, and grading portions 10th, 11th and 12th and Northlake Aves., Wall, Bay and Broad Sts.; also had plans prepared paving portions Colorado Ave., brick block, and 8th Ave., N. E. About $11,000 and $106,456 respectively. A. H. Dimock, city engr.

Oregon—State Highway Comn., Salem, approved Post Rd. project on John Day Highway, between Fossill and Sarvice Creek, Wheeler Co., about 9.47 mi. long. Cost, $36,733.

Oregon — State Highway Comn., Salem, soon lets contract building 1½ mi. road between Mitchell and Prineville, Wheeler Co. About $12,500.

Streets and Roads (Continued)

Ore., Eugene—Council passed ordinance to macadamize Potter St. and 28th Ave., et al. About $12,000. A. Forneri, city engr.

Ore., La Grande—Union Co. having plans prepared for building road to Baker Co. line.

Ore., Warrenton — City voted $45,000 bonds to build road from Warrenton direct to ocean beach. Noted Sept. 13.

Cal., Los Angeles—City soon lets contract grading and paving portion Azusa Ave., Rd. Dist. No. 135, 5 in concrete pavement, 20 ft. wide. A. C. Hansen, city engr.

Cal., Porterville—City having plans prepared for paving streets to connect with county highway system.

Cal., San Diego—City plans to pave A, Ash, Beech, Cedar, 7th, and 8th Sts. About $51,810. G. Cromwell, city engr.

Cal., San Luis Obispo—Valmount Country Club plans to build 4½-mi. macadamized road near Moro Beach.

Cal., Willows—Glenn Co. election Nov. 10 to vote on bond issue to improve highway from Hamliton City to Orland, 14½ mi.

Ont., Port Colborne—Council plans to build cement sidewalks on various streets. About $15,000.

Ont., Toronto—City plans to extend Chaw and Crawford Sts. and fill in Sully Crescent. About $30,000.

BIDS DESIRED

N. Y., Brooklyn—Until Nov. 2, by L. H. Pounds, boro. pres., regulating and recurbing easterly side 12th Ave., from 52nd to 53rd St.; grading sidewalk space and laying sidewalks west side 18th Ave. between 61st and 62nd Sts.; laying sidewalks at 3 other locations; furnishing and delivering 40,000 wood paving blocks, 4 in depth; 2000 bbl. portlant cement; 3000 cu.yd. paving sand; 3000 cu.yd. 1½-in. broken stone for concrete; 1500 cu.yd. broken trap rock and 1000 cu.yd. trap-rock screenings.

N. Y., Brooklyn—Until Nov. 9, by L. H. Pounds, boro. pres., regulating, paving and repaving portion 54th St., asphalt on 6-in. concrete base.

N. J., Elizabeth—Until Nov. 8, by Bd. Wks., repaving Cross Ave., sheet asphalt on concrete foundation, involving 6155 sq.yd. asphalt, 4710 lin.ft. 4 x 16-in. bluestone curb, etc. J. F. Kenah, clk. T. E. Collins, city engr.

N. J., Jersey City — (Official) — Until Nov. 8, by City, improving portion Gates Ave., involving 4420 sq.yd. asphalt paving on concrete base, 550 sq.yd. Belgian block paving on concrete base, together with curbing, grading, etc. C. A. Van Kuren, city engr. Noted Oct. 18.

Ga., Gibson—(Official)—Until Nov. 10, by H. G. Sammons, comr. roads and revenues, Glascock Co., furnishing and delivering at depot, 200,000 brick, to grade equal to brick manufactured at Milledgeville; also 200 sacks cement, 200 bbl. lime.

Ala., Brewton—Until Nov. 19, by Escambia Co., building 9 mi. Forest Highway between Brewton and Andalusia; work involves 30 acres clearing and grubbing, 44,182 cu.yd. borrow, 1050 ft. pipe, etc.

Tenn., Clarksville—(Official)—Until Nov. 15, by City, paving portions 3 streets, 15,000 sq.yd. asphalt concrete on concrete base. S. R. Alexander, city engr. Noted July 26; advertised in this issue.

O., Cincinnati—(Official)—Until Nov. 9, by Hamilton Co. Comrs., resurfacing Harrison and Brookville Turnpike, bituminous macadam. A. Reinhardt, clk.

O., Cincinnati—(Official)—Until Nov. 16, by Hamilton Co. Comrs., improving portion Camargo Pike No. 292. A. E. Mittendorf, pres.

O., Montgomery—Until Nov. 7, by Town, improving and paving portion West St. C. W. Harnell, clk.

Ia., Des Moines—Until Nov. 5, by F. Jeffries, city clk., curbing and paving Douglas and Beaver Aves., including 26,900 yd. paving, 15,840 ft. curbing. K. Kastberg, city engr. Noted Aug. 16.

Neb., Holdrege—Until Nov. 20, by W. Lindstrom, city clk., improving streets in Dist. No. 1, including 39,100 sq.yd. pavement, 4442 ft. curb, 10,053 lin.ft. curb and gutter.

Mont., Butte—(Official)—Until Nov. 5, by Silverbow Co. Comrs., for paving, building sidewalks, parkings and curbs in Dist. No. 3. S. L. Anderson, clk. Noted Oct. 18.

Mo., Kansas City—See "Sewers."

Ariz. Globe—(Official)—Until Nov. 7, by Bd. Superv. Gila Co., building Sects. 1, 2, and 3 El Capitan Highway. About $75,000. Noted July 26.

Wash., Seattle—Until Nov. 19, by N. M. Wardall, clk., King Co., building Morris Change Rd.

Oregon—Until Nov. 6, by State Highway Comn., Salem, building Columbia River Highway between Hood River and Mosier, 5 mi. About $352,000. H. Nunn, state highway engr. Noted Sept. 27.

California — Until Nov. 12, by State Highway Comn, Sacramento, paving 3 mi. road in Monterey Co., concrete, grading 9 mi. in Nevada Co.; paving 12 mi. road in San Luis Obispo Co,. concrete.

Cal., Oakland—Until Nov. 5, by E. Gross, clk., Alameda Co., building highway connecting East 14th St. with Dublin Blvd. About $80,000.

Cal., Santa Ana—Until Nov. 7, by N. T. Edwards, clk., Orange Co. building 48,000 sq.ft. concrete pavement on San Juan Hot Springs Rd.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass. Boston**—City let contract grading and playground surfacing to J. C. Coleman & Sons, 1620 Tremont St., Roxbury, $20,000. Noted Oct. 18.

★**Connecticut** — State Highway Dept., Hartford, let contract building state road in Woodbury Twp., to J. De Michiel & Bro., 58 High St., Torrington, $29,500. Noted Oct. 4.

N. Y., Brooklyn—L. H. Pounds, boro. pres., received low bids regulating, curbing and paving portion (a) Ave. M, (b) Snyder Ave., (c) West 36th St., from Cranford Co., 52 9th Ave., (a) $15,095, (b) $11,610, (c) $11,985; Uvalde Asphalt Paving Co., 1 Bway., New York City, (a) $16,025, (b) $11,947, (c) $12,499; Borough Asphalt Co., 1301 Metropolitan Ave., (a) $18,514, (b) $10,912, (c) $12,277. Noted Oct. 25.

★**N. Y., Buffalo**—City let contract paving portions Washington St., block sandstone on concrete foundation to Erie Contg. Co., Morgan Bldg., $29,500.

N. Y., Buffalo—City received lowest bid paving portions Stewart Ave., asphalt on concrete foundation, from German Rock Asphalt Co., Inc., Morgan Bldg., $13,450.

N. Y., New York—(Official)—M. M. Marks, boro. pres., received low bids, Oct. 24, repaving portions various streets, wood block, from W. J. Fitzgerald, 547 West 45th St.; 4th Ave., $10,272; B'way., $37,324; same street (water-gas-tar specifications), $42,658; Madison Ave., $31,341.

N. Y., Utica—W. W. Wotherspoon, state supt. pub. wks., Albany, received low bids building approaches, grading, and paving south side of Erie Canal to bridge over canal in Yorkville, from L. J. Sieling, 171 Madison Ave., New York City, $14,382; C. Kiehm, Gardner Bldg., $15,998.

N. J., Jersey City—(Official)—City received low bids Oct. 23, repaving portion Tonnele Ave., wood block, from P. O'Reilly, 86 Neptune Ave., 138%; J. J. Conlin, 1123 Bway., New York City, 140%. Estimated cost, $22,875. Noted Oct. 11.

N. J., Jersey City—City received lowest bid improving Dwight St. and De Kalb Ave., asphalt paving on concrete base, Van Cleef St. and Germania Ave., bituminous concrete on concrete base, from W. S. S. Crichfield, 2 Green St., about $33,357. Noted Oct. 11.

★**N. J., Paterson**—City let contract paving portions Prince St., to L. Cramer, 99 Ward St., $12,128.

★**Pa., Milton**—Boro. let cotnract about 2500 sq.yd. vitr. brick paving, to W. H. Lyons, Sunbury, $12,000.

Pa., Phila.—City received only bids Oct. 10th paving and sewers in Delaware Ave. from Mifflin St. to Snyder Ave., from E. H. Vare, Lincoln Bldg., $98,862.

★**Pa., Pittsburgh**—Alleghany Co. let contract improving Rounq Hill Rd. in Forward Twp., 12,500 ft. long, to R. A. Peterson, $34,324. Noted Sept. 6.

★**W. Va., Charleston**—Kanawha Co., Loudon Dist., let contract building 3.2 mi. brick on concrete road, also 5 mi. slag road, to Central Eng. Co. About $90,000. Noted Sept. 27.

★**N. C., Pittsboro**—Chatam Co. let contract grading roads and surfacing with top soil or gravel, to C. C. Jordan, Wadesboro, $30,000. Noted May 10.

★**Alabama**—State Highway Dept., Birmingham, let contract building 5.3 mi. road in Blount Co., between Blountsville and Guntersville, to Sharp Bros., Guntersville.

★**Ala., Carrolton**—Pickens Co. let contract building 50 mi. of roads, involving 165,000 cu.yd. grading, 40,750 cu.yd. gravel, also bridges, to Stanley-Signer Constr. Co., Lafayette, about $60,000. Noted Sept. 6.

★**La., Crowley**—City let contract building gravel pavement, also curb and gutter, to Healy Constr. Co., Crowley. About $30,000.

★**Ohio**—(Official)—State Highway Comn., Columbus, let contracts road work to C. Stoltz, Bellevue, Sect. "L," Bellevue-Norwalk Rd., Huron Co., 1.68 mi., monolithic brick, $40,745; J. L. McCormick, Canton, Sect. "R," Akron-Canton Rd., Summit Co., 2.08 mi., brick, $64,501; A. McDonald, Steubenville, Sect. "N2," Steubenville-Cambridge Rd., Jefferson Co., 1.83 mi., brick on rolled base, $65,830; M. Snoffer, 144 East 13th Ave., Columbus, Sects. "M" and "O," Columbus-Sandusky Rd., Franklin Co., brick on concrete base, $12,425. Noted Oct. 18.

★**O., Dayton**—City let contract paving portions River St., to J. Kernan & Co. About $15,000.

★**Mont., Great Falls** — Cascade Co. let contract building Riceville Rd., to F. Elliot, $12,000.

★**Mont., Hardin**—See "Sewers."

★**Mo., St. Joseph**—City let contract paving portions 27th St., vertical fiber brick, to Land Constr. Co., Ballingen Bldg., $2.44 per sq.yd.

★**Mo., Springfield**—City let contract paving to Jarret-Richardson Paving Co., $1.65 per sq.yd.; curbing to M. H. Southworth Constr. Co., 49c. per lin.ft.

★**Tex., Dallas**—(Official)—Dallas Co. Comrs. will resurface by day labor Richardson Rd. from Vickery to Richardson; Maple Ave. Rd. from city limits to railroad crossing; also California Crossing Rd. About $20,000. J. F. Witt, co. engr. Noted Oct. 18.

★**Tex., Dallas**—City let contract paving portions Peak St., to Bramley-Lanham Paving Co., Kingsley St., Birmingham, Ala., $23,004.

★**Tex., Eagle Pass**—City let contract paving Main and Commercial Sts., 50,000 sq.yd., to Uvalde Asphalt Co., Sweringen McCraw Bldg., San Antonio.

★**Tex., Ft. Worth**—City let contract paving 11,500 sq.yd. Travis Ave., to General Constr. Co., F and M Bank Bldg., Ft. Worth, $2.05 per sq.yd. Noted Oct. 25.

★**Idaho**—State Highway Comn., Boise, let contract building 17 mi. North and South Highway between Fruitvale and Price Valley, Adams Co., to Nettleton, Bruce & Eschbach, Amer. Bank Bldg., Seattle, Wash., $75,000; 38 mi. Idaho and Pacific Highway through Burley Highway Dist., to H. E. Cornell, Ditriech, $80,000.

★**Idaho, Albion**—Cassia Co. let contract loading, hauling and spreading gravel on 3 sections Idaho-Pacific Highway in Burley Highway Dist., about 57.5 mi., to H. E. Cornell, Dietrich, $80,000. Noted Oct. 18.

★**Idaho, Council**—Adams Co. let contract building 17 mi. North and South highway between Fruitvale and Price Valley, to Nettleton, Bruce & Eschbach, 903 Amer. Bank Bldg., Seattle, Wash., $75,000.

★**Utah**—State Rd. Comn., Salt Lake City, let contract building road leading out of Payson bitulithic, to Strange & Maguire, Savings & Trust Bldg., Salt Lake Sity.

★**Ore., Portland**—City let contract paving Woodstock Ave., gravel bitulithic, to Warren Constr. Co., Journal Bldg., $25,000.

★**California** — (Official) — State Highway Comn., Sacramento, let contract to Municipal Impvt. Co., 803 MacDonald Bldg., Richmond, building 12.4 mi. road in Sonoma Co. and 7.7 mi. in Butte Co., $133,111 and $56,240 respectively; E. J. Tracy, Sheldon Bldg., San Francisco, 16 mi. highway in Marin Co., $173,347. Noted Oct. 25.

Streets and Roads (Continued)

Cal., San Diego — City received lowest bid building 413,491 sq.ft. 4-in. concrete pavement, 2056 ft. cement curbs, culverts, concrete wall, etc., in Prospect St., La Jolla Blvd. and other streets, from T. C. Breitenstein, 465 Van Wyck St., Pasadena, $54,496.

Cal., San Francisco—City let contracts improving streets, (a) excav., (b) granite curbs, (c) concrete curbs, (d) concrete sidewalks, (e) asphalt pavement, (f) basalt-block pavement, gravel filler on concrete base, as follows: C. B. Eaton, 407 11th St.; Clement St., (a) $0.50 per cu.yd., (b) $1.25 per ft., (d) $0.13 per sq.ft., (e) $0.22 per sq.ft. State Impvt. Co., Crocker Bldg.; 18th Ave., (c) $0.83, (d) $0.16, (e) $0.25. J. F. Dowling, San Francisco; Francisco St., (b) $1.75, (d) $0.17, (f) $0.48 per sq.ft., basalt block gutters, $0.48 per sq.ft. Hoffman Ave., (c) $0.95, (e) $0.55. Flinn & Tracey, 1st Natl. Bank Bldg., (b) $0.80, (d) $0.14, (e) $0.24, 10-in. vitr. culvert, $1.50 per ft. T. A. Clark, San Francisco; (a) $1.10, (c) $0.80, (d) $0.15, (e) $0.2275, brick manholes, $85 each, brick catch basins, $100 each. Blanchard-Brown Co., Call Bldg., (b) $1.25, (e) $0.26. Fay Impvt. Co., Phelan Bldg.; Balboa St., (b) $1.25 per ft., (d) $0.14, (e) $0.25.

Cal., Stockton—San Joachim Co. received lowest bid, Oct. 10th, building 5½-mi. crushed rock or gravel macadam road, from Moring Bros., Stockton. About $37,612 and $30,366 respectively. Noted Sept. 13.

Ont., Cornwall—County received 23 bids for building 60 mi. water-bound macadam roads in Stormont, Dundas and Glegarry Cos. Contract will be let Jan. 24th. J. G. Cameron, co. rd. supt. Noted Oct. 11.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

Kentucky—Middle Fork & South Fork Ry., recently incorporated, plans 29-mi. line from Krypton to mouth of Buffalo Creek. W. H. Porter, 222 Clay Ave., W. E. Williams, 1308 Fayette Natl. Bank Bldg., A. R. Stephens, 17 Mentelle Park, and others, all of Lexington, incorporators.

Texas—Eastern Traction Co., recently organized, plans to build interurban electric railway from Houston, Tex., to Lake Charles, La., via Beaumont, about 160 mi. E. Kennedy, 509 Foster Bldg., Houston, and others, interested.

Washington—H. C. and J. Erickson of Krupp, Wash., plan to build railroad from Peteros to Winthrop in Methow Valle 45 mi.

Ontario—Brandon Municipal Ry. plans to build line to Lake Piercy. About $55,000. T. Boden, City Hall, Brandon, supt.

RAILWAYS—STEAM AND ELECTRIC

(★Indicates contracts awarded.)

★**Ontario**—Essex Terminal Ry., Walker Rd., Walkerville, let contract extending electric railway in Ojibway, to Chick Contg. Co., McDougall St., Windsor, $60,000.

EXCAVATION AND DREDGING

Proposed Work

Wash., Norfh Yakima — Canal — Selah Valley Canal Co. plans to spend $50,000 to cement canal and build 700-ft. tunnel. Ultimate expenditure on project, $300,000.

BIDS DESIRED

Ill., Garden Prairie — Drainage — Until Nov. 15, by Coon Creek Drainage Comrs., for 6 mi. 6-27-in. tile drain, clay, cement, shale or vitr. pipe. A. McCae, secy. A. L. Webster, Wheaton, engr.

Ill., Havana—Ditches—Until Nov. 12, by Bd. Comrs. Garden Special D. D., Mason Co., building main ditch and laterals, involving 194,342 cu.yd. excav., removing and replacing 6 steel highway bridges, etc. J. F. Kreiling, comr.

Wis., Madison — (Official) — Drainage — Until Nov. 16, by Orchard Farm Garden Sub-District, Dane Co., at office of Buell & Lucas, 9 South Picchney St., Madison, building tile drainage system, involving 156,397 ft. 4-14 in. tile. A. K. Reindahl, comr.

Ia., Ft. Dodge—Drain—Until Nov. 8, by Webster Co., building Drain No. 258, involving 15,300 ft. 16-30 in. tile. About $21,190. J. L. Hanrahan, aud.

Ia., Mason City—Drainage—Until Nov. 7, by Cerro Gordo Co., building D. D. No. 49; Sect. 1 involves 8200 ft. 9- to 28-in. tile, Sect. 2, 17,950 ft. 8-18-in. tile. G. E. Frost, aud.

Minn., Granite Falls—Ditch—Until Nov. 13, by Yellow Medicine Co., building Judicial Ditch No. 7, involving 23,321 ft. 5-24 in. tile. About $20,616. G. H. Wilson, aud.

S. D., Armour—Drain—Until Nov. 2, by Douglas Co., building Drain No. 4; work involves open ditch 5 mi. long, 30,000 cu.yd. excav. and 750 ft. 20-in. tile. Dakota Eng. Co., Mitchell, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ind., Rockport** — (Official) — Ditches—Spencer Co. let contract building ditches, to J. A. Rahests, Ashland, O., $37,755. Noted Oct. 4.

★**Minn., Henderson**—Ditch—Sibley Co. let contract building Judicial Ditch No. 8, to Arlington Cement Stone Wks., $11,474.

★**Mont., Lewiston** — Canal, etc. — Fergus Co. Land & Irrigation Co. let contract for chief distributing canal and laterals, Flatwillow Project, to C. E. Weir, Lewiston, $411,720.

★**Idaho, Fruitland** — Irrigation — Little Willow Valley Irrigation Dist. let contract installing irrigation system, to Maney Bros., Shaw Bldg., Boise, $175,000.

INDUSTRIAL WORKS

Proposed Work

N. Y., Brooklyn—Rubel Bros., Glenmore Ave., had plans prepared by E. M. Adelsohn, archt., 1776 Pitkin Ave., for 2 story, 100 x 200 ft. ice manufacturing plant, Blake and Van Sinderen Aves. About $75,000.

N. Y., New York—P. Schalita had plans prepared by S. Brooks, archt., 110 West 40th St., for 2 story, 100 x 100 ft. garage, Washington Ave. and 182nd St. (Bronx boro.). About $50,000.

N. J., Newark—Lackawanna Bridge Co., 2 Rector St., New York City, plans two 1-story, 60 x 630 ft. brick and steel shops; also two 2-story, 60 x 60 ft. shops, head house, train shed, and employees' hospital at Port Newark Terminal. About $252,000 and $28,000 respectively.

Pa., Phila.—Atlantic Refining Co., 3144 Passyunk Ave., plans 82x84-ft. power house on Passyunk Ave. and 28th St. About $50,000.

Del., Wilmington—Pusey & Jones, foot Poplar St., plans to build foundry and pattern store room. About $70,000 and $50,000, respectively.

Va., Norfolk—Norfolk Tire Fabric Co., recently incorporated, having plans prepared by R. E. Mitchell, archt., Paul-Gale Greenwood Bldg., for factory to consist of 10 units; 1st unit 262x625 ft. About $750,000. B. C. Brownell, interested.

La., Monroe—A. Brown, 1st Natl. Bank Bldg., Pittsburgh, Pa., and others, plan to build carbon plant here. About $200,000.

La., New Orleans—Swift & Co., Harvey Lane, plans to build acid factory here. About $250,000.

O., Cleveland—Acorn Refining Co., 8205 Franklin Ave., having plans prepared by A. F. Janowitz, archt., Permanent Bldg., for 2-story factory, 8204 Franklin Ave., N. W. Cost between $45,000 and $50,000.

Ind., Anderson—Superior Tire Co., recently organized with $750,000 capital stock, purchased 10-acre site and plans to build factory. W. I. O'Bryan, 1331 Fry Ave., Cleveland, Ohio, vice-pres.

Ind, Indianapolis—Standard Paper Co., 440-50 South Illinois St., having plans prepared by Vonnegut & Bohn, archts., 610 Indianapolis Trust Bldg., 3 story, 100 x 200 ft., 326 East Market St. About $80,000. A. M. Rosenthal, pres.

Mich., Port Huron—Mueller Mfg. Co., 512 Cerro Gordo St., Decatur, Ill., and Sarnia, Ont., soon lets contract 1-story, 80 x 140 ft. factory and power plant, foot of Lapeer Ave. About $200,000. J. Londoun & Hertzberg, Ltd., 37 Toronto Bldg., Toronto, Ont., engrs. Noted Oct. 11.

Minn., Duluth—L. Teweles Seed Co. having plans prepared by Fraser Co., engrs., 667 East Water St., for 7-story, 150 x 180-ft. rein.-con. warehouse, Clybourn St. About $200,000.

Kan., Wichita—McCormick Armstrong Co., 122-24 South Markes St., plans factory 3 story, 100 x 140 ft., steel and concrete, 2nd and Emporia Sts. About $50,000.

Ariz., Golconda—Union Basin Mining Co. plans to rebuild ore-reduction and metal-extraction plants recently destroyed by fire with loss of $250,000. J. D. Wanvig, mgr.

Wash., Seattle—Rodgers-Brown Co. soon lets contract for warehouse and dock on Harbor Island. About $200,000.

Wash., Spokane—Sperry Flour Co., 662 Mallon St., soon lets contract flour mill on East Sprague St. About $300,000. Noted Oct. 11.

Cal., Santa Barbara—E. W. Alexander having plans prepared by R. F. Sauter, archt., for 117x205-ft. garage on Victoria St. About $60,000.

Cal., Stockton—Nat'l Paper Products Co. having plans prepared for factory in Western part of city. About $1,000,000. J. B. Zellerbach, San Francisco, pres.

Que., Cap De Madeleine—Canada Steamship Lines, 9 Victoria Sq., Montreal, plans to build shipyards here. About $100,000.

Que., Montreal—Independent Silk Co., 52 Nazareth St., soon lets contract for factory. About $60,000. G. A. Nonette, 83 Craig St., archt.

Que, Montreal—T. M. Kirkwood of Three Rivers Shipyards, Ltd., Three Rivers, plans shipbuilding plant. About $500,000.

B. C., Vancouver—Pacific White Lead Co. plans to build plant on Industrial Island. About $50,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**R. I. ,Bristol**—National India Rubber Co. let contract 3-story, 60 x 202 ft. brick factory, to W. H. Hamlyn & Son, 35 Greenwich St., Providence.

★**N. Y., Buffalo**—American Radiator Co., 1807 Elmwood Ave., let contract 1 story foundry, to Austin Co., 14230 Euclid Ave., Cleveland, O. About $150,000. Noted June 28.

★**N. Y., New York**—Pouch Terminal Co., Clifton, S. I., let contract 7 story, 120 x 160 ft. rein.-con. warehouse, to Fairbault Bldg. Co., 52 Vanderbilt Ave. Noted Sept. 20.

★**N. J., Bayonne**—Nucoa Butter Co., 5th St., let contract 3 story, 60 x 100 ft. rein.-con. factory on 4th St., to Amer. Concrete Steel Co., 31 Clinton St., Newark.

★**N. J., Jersey City**—Davis-Bournonville Co., Van Wangen Ave., let contract 4 story, 59 x 100 ft. brick and concrete factory, to J. N. Gill & Co., 1215 Filbert St., Phila.

★**Pa., Pittsburgh**—Pennsylvania Chocolate Co., 5850 Center St., let contract 7 tory factory at 5850 Center Ave., S., to Turner Constr. Co., 242 Madison Ave., New York City. Noted Oct. 4.

★**W. Va., Fairmont**—Mononga Glass Co., 12th St., let contract 4-story addition to factory to Ferro Concrete Constr. Co., West 8th St., $250,000.

★**O., Akron**—Wellman Seaver Morgan Co., 3000 Central Ave., Cleveland, let contract 1 story, brick and steel factory, to G. A. Fuller Co., 404 Swetland Bldg., Cleveland. About $1,000,000.

★**O., Akron**—Williams Foundry & Machine Co., 60 South Cherry St., let contract foundry to Clemmer & Johnson, High and Church Sts., $75,000. Noted Sept. 20.

★**O., Cleveland**—National Acme Co., 7500 Stanton Ave., S. E., let contract 2-story factory, East 131st St. near Coit Rd., to Master & Mullen Constr. Co., 601 Electric Bldg., $80,000.

★**Wis., Milwaukee**—Cutler-Hammer Mfg. Co., 12th St. and St. Paul Ave., let contract 7-story, 50x200-ft., to H. Schmitt & Sons, 864 Jackson St. Noted Sept. 27.

★**Que., Cedars**—Cedar Rapids Power Co., 83 Craig St., Montreal, let contract addition to power plant to Steel Co. of Canada, 1272 Notre Dame St., Montreal. About $450,000. Noted Sept. 6.

★**B. C., Vancouver**—Canadian Northern Ry. let contract building concrete platforms and train sheds at Canadian Northern Depot, to Northern Constr. Co., Vancouver Block, and C. H. Aldinger Co., Winnipeg, Man. About $150,000.

BUILDINGS

Proposed Work

N. Y., Buffalo — Hospital — Mt. Mercy Academy, 1475 Abbott Rd., having plans prepared by H. Spann, archt., 38 Ardmore Pl., brick, stone and steel. About $200,000.

N. Y., Lake Placid—School—Bd. Educ. having plans prepared by Pember & Campaigne, archts., Ilium Bldg., Troy, 3 story, brick and rein.-con. addition on Main St. About $125,000. M. D. Weaver, pres. Noted Aug. 16.

N. Y., New York—Synagogue—Bnai Israel Congregation had plans prepared by E. Roth, archt., 119 West 40th St. About $100,000 J. Adler, 19 West 26th St., pres.

N. Y., Syracuse—Temple—Labor Temple Assn. having plans prepared by E. E. Battey, archt., 161 West Brighton Ave., 3 story, 50 x 100 ft. brick, at 507-9 East Fayette St. About $50,000.

N. Y., Troy—Armory—City having plans prepared by L. F. Pilcher, state archt., Capitol, Albany, new armory, Beman Park and 15th St., to replace one destroyed by fire. About $300,000.

N. Y., Yonkers—School—Bd. Educ. having plans prepared by H. Chamberlain, archt., 18 Bway., 2-story, 75 x 98 ft. addition to School No. 14. About $50,000.

N. J., Seabright — Hotel — Stockholders Peninsula Hotel, Ocean Ave., plan addition. About $60,000.

Pa., Chester—Hotel—G. Shober, 305 Market St., Phila., soon lets contract, 4-story, 70x80-ft., brick, terra cotta and concrete. E. A. Wilson, 1208 Chestnut St., Phila., archt. Noted May 24.

Pa., Johnstown—Schools—Bd. Educ. approved $400,000 bond issue to build schools.

W. Va., Huntington—Bank and Office—Union Savings Bank Co., 4th Ave. and 9th St., soon lets contract, 10-story, 40 x 90 ft. About $150,000. Bankers Eng. Co., 112 W. 19th St., New York City, archts.

Fla., Miami—Hotel and Store—C. J. Martin receiving bids about Dec. 1, 7-story, 50 x 135-ft. About $137,000. F. V. Newell, 6 North Michigan Ave., Chicago, archt.

Ga., Milledgeville — Sanitarium — State having plans prepared by T. H. De Saussure, archt. About $200,000.

O., Akron—Club — Akron Eagle Lodge soon lets contract, 3-story, 66 x 165 ft., Market and Summit Sts. About $125,000. Forest Eng. Co., 512 Hippodrome Bldg., archts. Noted Aug. 23.

O., Cleveland—Church—Fourth Church of Christ Scientist had plans prepared by Briggs & Nelson, archts., Rose Bldg., to be built at 1935 East 105th St.

O., East Cleveland—(Cleveland P. O.)—Junior High School—Bd. Educ. had plans prepared by C. S. Schneider, archt., 2248 Euclid Ave., Cleveland, 3-story, brick and concrete. About $100,000.

O., Kenmore — High School — Bd. Educ. soon lets contract, 2-story, 75 x 130 ft. addition. About $125,000. N. P. Ruer, Peoples Savings & Trust Bldg., archt.

Ind., Claypool—High and Grade School—Clay Twp. having plans prepared by H. G. Bowstead, archt., 512 Glass Bldg., Marion, 2-story. About $50,000.

Ind., New Palestine—School—High and Grade School—Bd. Educ. soon lets contract, 2-story, 88 x 110 ft. About $50,000. W. H. Garns, 817 Fletcher Trust Bldg., Indianapolis, archt. Noted July 19.

Ill., Champaign—Hotel—C. F. Hamilton, mgr., Hotel Hamilton, soon lets contract, 12-story, 43 x 193-ft. About $300,000. H. H. Richards, 327 South La Salle St., Chicago, archt.

Kan., Kansas City—Hospital—Providence Hospital having plans prepared by Wight & Wight, archts., 401 1st Natl. Bank Bldg., Kansas City, Mo., 3-story, 18th and Tauronee Sts. About $250,000.

Kan., Sterling—Auditorium and Conservatory — Trustees Cooper College having plans prepared by T. W. Williamson, archt., Central Natl. Bldg., Topeka, 2-story, 100 x 120 ft., brick, stone trimmings, concrete and steel. About $50,000.

Kan., Wichita—Office—C. W. Bitting, 401 Bitting Bldg., plans 8-story addition. About $250,000.

Neb., Columbus—Court House—Platte Co. Comrs. plan. About $100,000 available.

Mont., Missoula — High School — City plans to sell $75,000 bonds to build addition to high school.

Mo., St. Louis—Hotel and Store—Francis Constr. and Realty Co., 400 Debaliviere Ave., having plans prepared by H. J. Harker, archt., Sawyer Bldg., 6-story, brick, stone, terra cotta and rein.-con. About $200,000.

Mo., St. Louis—Telephone—J. R. Timlin, archt., Boatman's Bank Bldg., c/o Southwestern Bell Telephone Co., lets contract about Jan. 1, 3-story, brick, stone and rein.-con. addition. About $50,000.

Ariz., Phoenix — Hospital — Deaconess Hospital of Arizona, Wesleyan University having plans prepared by Marsh & Howard, archts., 619 Bway. Central Bldg., Los Angeles, Cal., rein.-con., brick and hollow tile. About $100,000.

Wash., Tacoma—Theater—D. Gross having plans prepared by R. E. Borhek, archt., Natl. Realty Bldg., 3-story, 90 x 120-ft., 9th and Market Sts. About $50,000.

Cal., Arcata — High School — Bd. Educ. voted $60,000 bonds to build high school.

Cal., Los Angeles—Church—Methodist Bd. Spanish Missions, 225 East 5th St., having plans prepared by Train & Williams, archts., Ex. Bldg., 8-story, 100x100-ft., rein.-con. and brick.

Cal., Sacramento—Exhibit—State having plans prepared for rebuilding exhibit building recently destroyed by fire. About $300,000. G. B. McDougal, state archt.

BIDS DESIRED

Mass., Northampton — Infirmary — Until Nov. 15, by Bd. Trustees Smith College, 2-story, 96 x 100 ft. About $80,000. Putnam & Taylor, Bement Bldg., archts. Noted Sept. 12.

Fla., Tallahassee—Dormitory and Educational—Until Nov. 12, by Florida State College for Women. About $92,000. E. Conradi, pres. Edwards & Sayward, 633 Candler Bldg., Atlanta, Ga., archts. Noted Sept. 6.

O., Bellefontaine — (Official)—Hospital—Until Nov. 7, by Trustees Mary Rutan Hospital, Lawrence Bldg., P. O. Batch, clk. F. L. Packard, Hayden Bldg., Columbus, archt.

O., Cleveland — (Official)—School—Until Nov. 12, by Bd. Educ., Rockwell Ave., and East 6th St., 3-story, 75x175-ft., to be known as Gladstone School. About $100,000. F. G. Hogen, dir. W. R. McCormick, Rockwell Ave. and East 6th St., archt. Noted July 26.

Tex., Eldorado—Court House—Until Nov. 12, by Schleicher Co. Comrs. Bonds for $60,000 voted for work. H. B. Thompson, 1203 Southwestern Life Bldg., Dallas, archt. Noted Apr. 12.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**Mass., Lowell**—School — Lowell Training School let contract 3-story addition, Wonalancet St., to W. Penn, 263 London St., $100,000. Noted July 12.

Conn., Bridgeport—School—St. Michael's Polish congregation, 310 Sterling Pl., received low bids, from J. H. Johnston, Boston, $108,000; J. G. Roy & Sons, 21 Silver St., Springfield, Mass., $119,580; Casey & Hurley, 201 Devonshire St., Boston, $123,710.

★**N. Y., New York**—Office, etc.—Herman Motor Truck Corp., 607 West 57th St., let contract 2 story office and 1 story service station, 57th St. near 11th Ave., to Gabler Constr. Co., 402 Hudson St., $60,000.

★**N. Y., Thiells**—Cottages—F. A. Vanderlip, pres. bd. mgrs., Letchworth Village, let contract 8 cottages, to P. Keeler Bldg. Co., 425 Orange St., Albany, $500,000. Noted Sept. 13.

★**Va., Norfolk**—Store—Flat Iron Development Corp. let contract, 79x123-ft., to W. T. Gregory, Law Bldg., $50,000.

★**W. Va., West Liberty**—Normal—State Bd. Control let contract addition, to G. C. Heins, Baltimore, Md. About $75,000.

★**Mich., Muskegon**—Armory—Chamber of Commerce and State let contract, to Strom-Johnson Co. About $55,000. Noted June 28.

★**Ia., Iowa City**—School—Bd. Educ. let contract building 3 schools to Read-Macdonald-Brewster, Plymouth Bldg., Minneapolis, Minn., $181,982.

★**Ia, Sioux City**—Theater—J. E. Martin c/o T. S. Martin Estate, 515 4th Ave., let contract, 5th and Nebraska St., to Riesche & Sanborn, 502 United Bank Bldg., $100,000.

Minn., Minneapolis — School — Bd. Educ. received lowest bid building 2-story, 28 x 70-ft. addition to McKinley Grade School, from Laurence Constr. Co., 624 Plymouth Bldg.

★**Mo., St. Louis**—Opera House and Apartment—F. L. Cornwell, and associates, La Salle Bldg., let contact, on Olive St. between Grand and Spring Sts., to Francis Constr. & Realty Co., 400 Debaliviere Ave., $800,000.

★**Wash., Spokane**—Hotel—J. Hetterman, Atty. Realty Bldg., Louisville, Ky., let contract on Main and Monroe Sts., to A. D. Jones Co., 125 Lincoln St., N. Cost between $500,000 and $600,000.

★**Ont., Chatam**—Bank—Bank of Commece let contract, rein.-con. and brick, to E. Bolton, 168 Park St. About $50,000.

MISCELLANEOUS

Proposed Work

Amusement Park—Jersey City, N. J.—Boulevard Park, Inc., 15 Exchange Pl., plans to build amusement park. About $800,000. J. Milton, corp. counsel.

Elimination of Grade Crossings—Dallas, Tex.—Missouri, Kansas & Texas R.R., (L. F. Lonbladh, ch. engr.), will let contract about Dec. 1 for elevation of tracks over Fairmount, Bowen and Hall Sts., Cedar Springs Rd. and Lemmon Ave.; street grade on all but Bowen and Hall Sts. will be lowered, some of them as much as 10 ft. About $750,000. Noted Apr. 12.

Wharf—Point Isabella, Tex.—Rio Grande Ry., Brownsville, plans to build 1500-ft. wharf. D. A. O'Brien, genl. mgr.

Tunnel — North Yakima, Wash. — See "Excavation and Dredging."

Dock—Seattle, Wash.—See "Industrial Works."

Wharf—Seattle, Wash.—City election in December to vote on $160,000 bonds to build addition to Bell St. wharf. A. H. Dimock, city engr.

Transmission Lines—San Diego, Cal.—Bd. Supervs. San Diego Co. granted 50-year franchise to San Diego Consolidated Gas & Electric Co. to extend electric transmission lines throughout county. H. H. Jones, San Diego, pres. and mgr.

BIDS DESIRED

Incinerator—Okmulgee, Okla.—Until Nov. 5, by R. H. Jenness, comr. finance, building garbage disposal plant. About $19,000. Noted July 26.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pier—New York, N. Y.**—W. W. Wotherspoon, supt. pub. wks., Capitol, Albany, let contract building pier foot West 53rd St., Terminal Contr. No. 38, to I. J. Standler & Co., Inc., 118 East 23th St., $266,065. Noted Sept. 27.

★**Subway—Parsons, Kan.** — City and Missouri, Kansas & Texas Ry. let contract building subway under tracks on Main St., to Kremer Voirol Constr. Co., Century Bldg., St. Louis, Mo., $120,000. Noted Oct. 4.

★**Oil Reservoir — El Segundo, Cal.** — Standard Oil Co. let contract building 1,000,000 gal. concrete lined oil reservoir, 20 ft. deep, covering 8 acres, to Bent Bros., Central Bldg., Los Angeles.

★**Pier—Manhattan Beach, Cal.** — (Official)—City let contract building rein.-con. pier to G. W. Harding, Manhattan Beach, $61,000. Noted Oct. 4.

★**Dam—San Diego, Cal.**—City let contract cyclopean rein.-con. dam, Lower Otay site, to J. Kennedy, Washington Bldg., Los Angeles, $586,737. Wurster Constr. Co. refused to accept contract claiming error of $100,000 in compiling bid.

★**Platforms—Vancouver, B. C.**—See "Industrial Works."

FEDERAL GOVERNMENT WORK

Proposed Work

N. H., Portsmouth—Track Scales—Bureau Yards and Docks, Navy Dept., Wash., plans to install two 3-rail road-track scales at Navy Yard.

R. I., Melville—Dredging—Bureau Yards and Docks, Navy Dept., Wash., preparing plans. About $26,500.

N. Y., New York—Steel Towers—Bureau Yards and Docks, Navy Dept., Wash., soon receives bids furnishing 24 steel towers, 200 and 300 ft. high, for Cuban Government, delivery f.o.b. Navy Yard, New York.

Wash., D. C.—Addition to Forge Shop—Bureau Yards and Docks, Navy Dept., Wash., preparing plans. About $155,000

Wash., D. C.—Building—Bureau Yards and Docks, Navy Dept., Wash., preparing plans for reconstructing Building No. 105, Optical Shop. About $184,000.

Wash., D. C.—Structural Steel—Bureau Yards and Docks, Navy Dept., Wash., plans to purchase structural steel for seaplane hangar, Hampton Roads, Va.

W. Va., Charleston—Electric Duct System—Bureau Yards and Docks, Navy Dept., Wash., plans.

W. Va., Charleston—Track Scale—Bureau Yards and Docks, Navy Dept., Wash., plans to install one 3-rail road-track scale at Navy Yard.

W. Va., Wheeling—Power House—U. S. Engr. Office, Wheeling, rejected only bid received Oct. 2, building at dam No. 24, Ohio River. Noted Sept. 13.

Ill., Peoria—Barracks—War Dept., Brig. Gen. I. W. Littell, soon lets contract for mobile ordnance school-barracks buildings. About $10,000.

Wis., Clintonville—Barracks—War Dept., Brig. Gen. I. W. Littell, soon lets contract for mobile ordnance school-barracks buildings. About $10,000.

Wis., Kenosha—Barracks—War Dept., Brig. Gen. I. W. Littell, soon lets contract for mobile ordnance school-barracks buildings. About $10,000.

N. M., Farmington—Bridge—Dept. of Interior, Office of Indian Affairs, Wash., D. C., rejected bids opened Oct. 22, building steel highway bridge at Farmington. Noted Oct. 18.

BIDS DESIRED

Mass., Boston—Timber Bulkhead—Until Nov. 19, by Bureau Yards and Docks, Navy Dept., Wash., building at Navy Yard. Noted Oct. 25.

R. I., Newport—Storehouse—Until Nov. 5, by Bureau Yards and Docks, Navy Dept., Wash., extension to general storehouse, Naval Torpedo Sta. About $100,000. Noted Oct. 18.

N. Y., Brooklyn—Emergency Hospital—Until Nov. 12, by Bureau Yards and Docks, Navy Dept., Wash., building at Navy Yard.

Wash., D. C.—Bridge—Until Nov. 20, by Comrs. Dist. Columbia, District Bldg., building 7-span steel plate girder highway bridge, abutments, piers and approaches over tracks Philadelphia, Baltimore & Washington R.R. and Washington R.R., Benning Rd.

Wash., D. C.—Machine Shop—Until Nov. 5, by Bureau Yards and Docks, Navy Dept., Wash., building at Navy Yard. About $1,000,000.

Wash., D. C.—Refrigerating Plant and Brine Circulating System—Until Nov. 19, by Bureau Yards and Docks, Navy Dept., Wash.

Wash., D. C.—Steel Towers—Until Nov. 26, by Bureau Yards and Docks, Navy Dept., Wash., building two 200-ft. steel towers at St. Thomas, Virgin Isles, West Indies.

Va., Norfolk—Electric Elevator—Until, Nov. 19, by Bureau Yards and Docks, Navy Dept., Wash., furnishing and installing in Building No. 16, Navy Yard.

W. Va., Charleston—Distributing System—Until Nov. 5 (change of date), by Bureau Yards and Docks, Navy Dept., Wash., building electric power distributing system at Naval Projectile plant. Noted Oct. 25.

Ala., Decatur—Post Office—Until Dec. 5, by J. A. Wetmore, superv. archt., treas. dept., Wash.

La., New Orleans—Piles, Waling and Lumber—Until Nov. 13, by U. S. Engr. Office, Customhouse, New Orleans, furnishing and delivering piles, waling and lumber on bank or wharves; advertised in this issue.

La., New Orleans—Stone—Until Nov. 27, by U. S. Engr. Office, Customhouse, New Orleans, furnishing and placing on jetties at Southwest Pass, Mississippi River; advertised in this issue.

O., Cincinnati—Machinery, Etc.—Until Nov. 30, by U. S. Engr. Office, Cincinnati, furnishing and installing operating machinery, etc., at Dams Nos. 31 and 35, Ohio River; advertised in this issue.

Wyo., Buffalo—Post Office—Until Nov. 30, by J. A. Wetmore, superv. archt., treas. dept., Wash.; advertised in this issue.

Wyo., Torrington—Laterals—Until Dec. 18, by U. S. Rec. Serv., Torrington, building 15.7 mi. main laterals, Ft. Laramie Unit, North Platte Project, Nebraska-Wyoming, involving 236,700 cu.yd. excava., near Bridgeport-Guernsey line of Chicago, Burlington & Quincy Ry.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**R. I., Ft. Greble**—Wharf Extension—Bureau Yards and Docks, Navy Dept., Wash., let contract concrete pile and timber extension to wharf, to Booth & Chase Co., 554 Davol St., Fall River, Mass., $10,268.

★**Conn., New London**—Power House and Machine Shop—Bureau Yards and Docks, Navy Dept., Wash., let contract, to Biglow & Nichols, 45 East 42nd St., New York City, $150,430. Noted Oct. 25.

★**N. Y., Brooklyn**—Paving—Bureau Yards and Docks, Navy Dept., Wash., let contract hard macadam roadway to F. J. Gallagher, 490 Park Pl., New York, $2232. Noted Aug. 16.

N. Y., Waterloo—Post Office—J. A. Wetmore, superv. arch., treas, dept., Wash., received low bids, (a) limestone, (b) sandstone, from Hagen Lumber Co., Hickory and Mattes St., Scranton, Pa., (a) $52,841, (b) $53,300; G. Baur, 2746 Bedford Ave., Brooklyn, (a) $54,500, (b) $55,200; W. H. Fissell & Co., 1328 Bway., New York City, (a) $59,900, (b) $62,900. Noted Sept. 20.

★**Pa., Ft. Mifflin**—Mine Storage Building—Bureau Yards and Docks, Navy Dept., Wash., let contract, to W. Tinker Co., 831 Cherry St., Phila., $23,700. Noted Oct. 18.

★**Pa., Phila.**—Dispensary—Bureau Yards and Docks, Navy Dept., Wash., let contract, at Navy Yard, to McCloskey & Bahl, 16 Thompson St., $31,137. Noted Oct. 25.

Pa., Phila.—Electric System—Bureau of Yards and Docks, Navy Dept., Wash., received bids, Oct. 15, electric system in foundry and machine shop at Navy Yard, (a) work complete, (b and c), alternate bids, from Commercial Eng. Co., 1526 Sansom St., (a) $26,919, (b) $8241, (c) $18,678; United Electric Co., 1727 Sansom St., (a) $27,500, (b) $8800, (c) $18,700; Jandous Electric Equipment Co., 109 West 31st St., New York City, (a) $30,773, (b) $9448 (c) $21,725. Noted Sept. 27.

★**Pa., Phila.**—Heating System—Bureau Yards and Docks, Navy Dept., Wash., let contract, furnishing and installing in structural shop, to Enterprise Steam & Hot Water Heating Co., 600 North Howard St., Baltimore, Md., $68,030. Noted Oct. 11.

Wash., D. C.—Experimental Sheet Rolling Mill—Bureau Standards, Wash., received only bid, Oct. 20, from Phila. Rolling Machine Co., Phila., $16,500. Noted Oct. 11.

★**Wash., D. C.**—Fuel Administration Building—Engr's. Office, War Dept., Wash., let contract to G. A. Fuller Constr. Co., Munsey Bldg. About $300,000.

★**Va., Cherrystone**—Office Quarters—Bureau Yards and Docks, Navy Dept., Wash., let contract to King Lumber Co., Charlottesville, Va., $18,881.

Va., Norfolk—Building—Bureau of Yards and Docks, Navy Dept., Wash., received bids remodeling quarters No. 8 at Navy Yard (work complete), from Nichols & Lindemann, 522 Seaboard Bank Bldg., $23,990; W. W. Keenan, Charlottesville, $26,440; Nash & Jones, 727 Law Bldg., $27,781.

W. Va., Charleston—Sewerage System—Bureau of Yards and Docks, Navy Dept., Wash., received low bids, Oct. 29, installing at Naval Sta., from Warren Moore, 13th and Market Sts., Philadelphia, $13,387; Reed & Lapsley, South Charleston, W. Va., $14,496; Brown & Floyd, Charleston, W. Va., $17,263. Noted Oct. 25.

S. C., Port Royal—Hospital—Bureau of Yards and Docks, Navy Dept., Wash., received bids emergency hospital building at Naval Hospital Reservation (work complete), from W. D. Hadlow, Jacksonville, Fla., $53,690, and J. L. Crouse, Greensboro, N. C., $60,090.

★**Fla., Pensacola**—Repairs to Quarters—Bureau Yards and Docks, Navy Dept., Wash., let contract repairing Quarters G and I, to S. F. Fulghum Co., 207 South Palafox St., $3972.

★**Fla., Pensacola**—Roof Repairs—Bureau Yards and Docks, Navy Dept., Wash., let contract repairing roof building No. 40, to Monk & Eley, 125 South Palafox St., $6000.

Ala., Andalusia—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids, (a) limestone, (b) sandstone, from G. W. Stiles Constr. Co., La Salle St., Chicago, (a) $42,365, (b) $43,365; A. Blair, Hill Bldg., Montgomery, (a) $43,752; E. H. Brown, Dothan, (a) $46,200. Noted Sept. 20.

★**Miss., Gulfport**—Emergency Camp—Bureau Yards and Docks, Navy Dept., Wash., let contract (work complete), to J. Griffith & Son, 112 West Adams St., Chicago, $349,000. Noted Oct. 25.

★**Miss., Gulfport**—Emergency Hospital—Bureau Yards and Docks, Navy Dept., Wash., let contract (work complete), to J. Griffith & Son, 112 West Adams St., Chicago, $84,000. Noted Oct. 25.

La., Grande Isle—Buildings—E. P. Bertholf, capt. commandant, U. S. Coast Guard, Wash., D. C., received low bids for new buildings and accessories for Coast Guard Station No. 214 (work complete), from J. Riess, 503 Hibernia St., New Orleans, $39,360; J. Thatcher, 60 Park Ave., Brooklyn, N. Y., $41,600; Hanna & Mitchell, Custom House, New Orleans, $43,900. Noted Oct. 11.

★**La., New Orleans**—Electric Traveling Crane—Bureau Yards and Docks, Navy Dept., Wash., let contract furnishing in machine shop, to Niles-Bement Pond Co., 111 Bway., New York City, $8800. Noted Oct. 18.

★**Ky., Louisville**—Lock Gates—U. S. Engr. Office, let contract furnishing and building gates for lock No. 43, Ohio River, to Independent Bridge Co., Beaver and Rebecca Sts., Pittsburgh, Pa., $64,700. Noted Sept. 13.

Ill., Mt. Carmel—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids, (a) limestone, (b) sandstone, from W. D. Lovell, 1415 South East 8th Ave., Minneapolis, Minn., (a) $52,100; G. W. Stiles Constr. Co., 209 South La Salle St., Chicago, (a) $54,130, (b) $55,630; E. A. Steininger Constr. Co., Victoria Bldg., St. Louis, Mo., (a) $55,935. Noted Sept. 20.

★**Ariz., Leupp**—Bridges—Comr. Indian Affairs, Wash., D. C., let contract building 2 highway bridges, to Monarch Eng. Co., Kansas City, Mo.

Cal., Bakersfield—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids (a) limestone, (b) sandstone, from C. Wright and A. Hohn, San Francisco, (a) $124,988; H. S. Williams, San Francisco, (a) $129,968; F. O. Engstrum Constr. Co., 2042 East 15th St., Los Angeles, (a) $133,897, (b) $135,197. Noted Sept. 20.

P. R., El Cayey—Building—Bureau of Yards and Docks, Navy Dept., Wash., received low bids, Sept. 30, radio buildings at high power radio station, (a) work complete, (b) net price operator's quarters, power house and receiving building complete (c) net price chief petty officers' quarters, from Hamilton & Chambers, 29 Broadway, New York City, (a) $79,780, (b) $64,780, (c) $17,000; Pittsburgh Des Moines Steel Co., Pittsburgh, Pa., (a) $85,200, (b) $75,000, (c) $11,200; Jesus Demitz, El Cayey, P. R., telegram—bid in mail—not yet received by department. Noted Aug. 30.

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